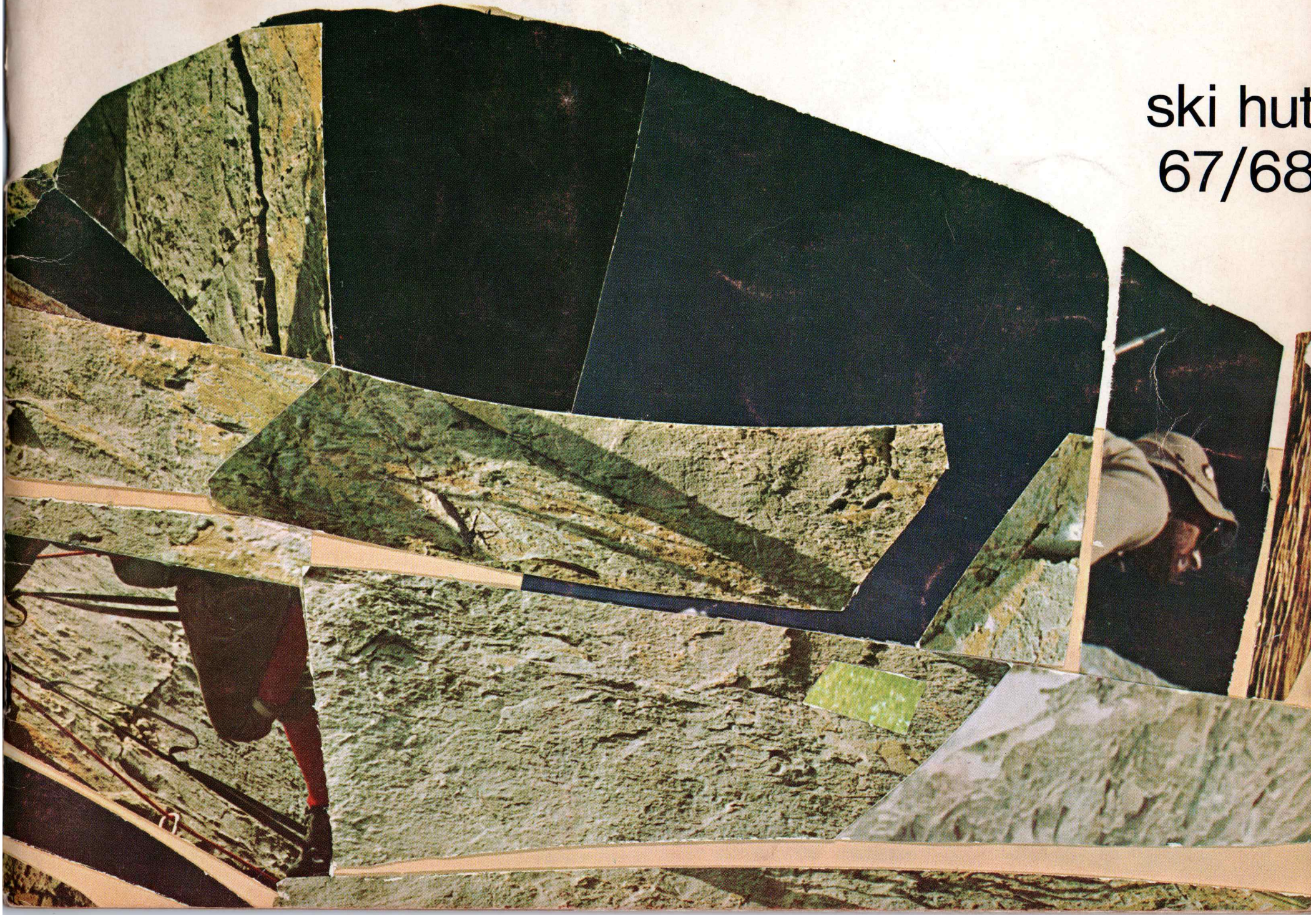
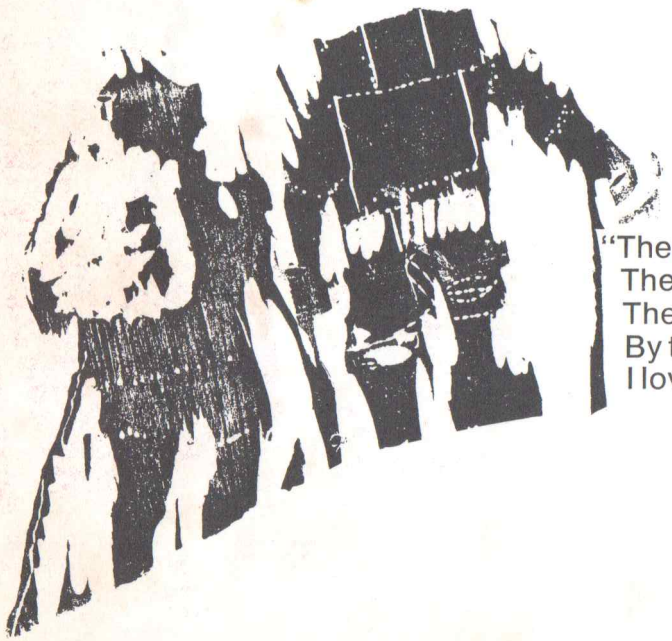


ski hut
67/68

1615 university ave., berkeley, calif. 94703



"There is a pleasure in the pathless woods,
There is a rapture on the lonely shore,
There is society, where none intrudes,
By the deep sea, and the music in its roar:
I love not man the less, but Nature more."

Lord Byron

Ski Hut, home of Trailwise products.

ski hut index

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cover and art work by b. ravizza

buyers guide

1615 University Ave., Berkeley, California

The following guide has been assembled by The Ski Hut staff, drawing on its own experience and upon a wide variety of written matter. We have attempted to present the assets and limitations of the equipment necessary for an outdoorsman to survive in and enjoy his environment. It does not cover every specific situation but rather is a generalization of our findings. Four general areas will be discussed — Backpacking, Sleeping, Eating and Apparel.

BACKPACKING

The two major considerations in backpacking are ease in carrying and comfort upon arrival. Conflict may arise between the weight of equipment and the convenience of having it at the camp or bivouac site. Only essential items should be included and whenever possible, excess weight and bulk should be avoided. Tailor the equipment to the specific needs of the trip.

Packframes

We think that the contoured lightweight aluminum packframe has been responsible for the recent upswing in family backpacking, opening new areas of our back country. The development of the manageable and compact load has allowed the backpacker to set his own pace and recognize the enjoyment of being entirely self-sufficient.

A heavy load carried directly on the back puts a great strain on the spinal column, causing the weight to be taken up by the shoulders, neck and back muscles, a source of unnecessary fatigue. Weight not directly placed above the body puts undue strain on the backpacker's knees, one of the weakest points of the anatomy.

Trailwise packframes have been designed around the principle that the greater part of the load must be borne by the hips. The rigid contour frame with waist belt is simply a way of transferring some of the weight from high on the back (the best point of balance) to the hips. The waist belt is an essential part of any packframe. Trailwise waist belts are unique in that they wrap entirely around the waist — not just the front — providing continuous support at every point on the whole circumference. This eliminates undue pressure on the front of the hips and positions the weight directly over the hiker's legs.

Trailwise frames, for anyone who spends several days per year in the outdoors, will more than compensate its user in comfort and durability. They come in three sizes:

Small, for persons 5′ 0″ to 5′ 6″; Dimensions are 14½″ x 27½″
Medium, for persons 5′ 6″ to 5′ 9″; Dimensions are 14½″ x 29″
Large, for persons 5′ 9″ to 6′ 4″; Dimensions are 16″ x 30½″

The Cruiser frame serves the needs of the occasional backpacker; the novice backpacker, who is in the experimental stages of this activity; and the growing child. The medium Cruiser frame will fit a growing child over 5′ tall at very little expense. We strongly recommend the optional waist belt (R110) with all Cruiser frames.

For your protection, the State of California has an unusually strict code for down filling. Trailwise bags, manufactured by the Ski Hut, are assured of fillings well in excess of California requirements for certification.

DOUBLE MUMMY. Accommodates two persons comfortably. It has certain advantages over two singles zippered together as a double because of less weight, less bulk, lower price and superior individual thermal control. Yet this Double Mummy bag is not too large or heavy to be used as a solo bag. The covering is made of Tenaya Nylon for lightness and durability. The Chevron baffles are made of nylon netting. The bag tapers from 49″ at shoulders to 35″ near bottom and then flares out to a roomy foot section. Each side has a 72″ zipper well protected against drafts by 3″ down filled draft flap. Two independent draw cord hoods offer excellent individual thermal control. The center section at top may be sealed against drafts entering at shoulders by use of the Velcro Closure Tape and snap fasteners. Filled with 4 lbs. Grade A Grey Goose Down. Will fit persons up to 6′2″. Total weight 6 lbs. Color: Blue. Packs into a 11″ x 21″ waterproof stuffbag.

S108 ..... **$130.00**
With stuffbag. ..... **S108/A** **$132.50**

TRAILWISE NORRLAND BAGS. Cut full at shoulder and elbow section with roomy flare at the foot. Combines the freedom of a rectangular bag with the economy of weight and bulk found only in mummy styles. The shell and lining are of light, downproof Tenaya Nylon, and are differentially cut to allow full loft of the 100% Grade A Grey Northern Goose Down. The baffles of Nylon Mesh are set in the Chevron Pattern: the most effective way yet developed to prevent the shifting of down in any direction. The full-length 72″ nylon side zipper gives easy accessibility, and in addition provides wideranging thermal control. There is a 3″ wide down-filled draft flap behind the zipper. Two Norrland bags may be zippered together to form a roomy double, even though the bags are of different lengths. The adjustable hood with drawcord may be left flat or closed snugly about the face. Packs into 9″ x 18″ stuffbag. There is a color choice of Red or Blue. Three sizes as shown:

Norrland 84S. Will fit persons up to 5′8″. Filling 2 lbs. Grade A Grey Goose Down. Wt. of bag: 3 lbs. 3 oz. ..... illustrated in photo ..... **S184/N** **$72.00**
With Stuffbag. ..... **S184/NA** **$74.50**

Norrland 92S. Will fit persons up to 6′2″. Filling 2½ lbs. Grade A Grey Goose Down. Wt. of bag: 3 lbs. 14 oz. ..... **S192/N** **$82.00**
With Stuffbag. ..... **S192/NA** **$84.50**

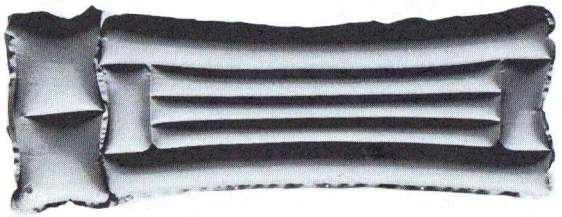
Norrland 98S. Will fit persons up to 6′6″. Filling 3 lbs. Grade A Grey Goose Down. Wt. of bag: 4 lbs. 9 oz. ..... **S198/N** **$92.00**
With Stuffbag. ..... **S198/NA** **$94.50**

TRAILWISE CHEVRON BAG. A Winner in the frozen regions of Alaska as well as in the higher reaches of the loftiest mountains of the world. Nothing was spared in its design, construction or use of materials to make it the paragon of all bags. The shell is of Blue Tenaya Nylon; this material is light, downproof, water repellent and extremely durable. It has a luxurious feel and will give years of service. The Differential Cut, which allows the 2½ lbs. of Grade AA Premium White Goose Down filling to loft a full 8½″, provides for maximum thermal efficiency. (See explanation of Differential cut). The 6½″ deep Chevron Baffle, made of strong nylon mesh, is slanted a full half tube width. The Chevron Baffle, which in itself is the most effective method yet developed for the stabilization of down, is even more effective when sewn in on a slant. Efficient contour design whereby widest part of bag is at shoulders and elbows. Roomy flared foot section. Finished size is 85″ x 31″. 30″ Nylon side zipper sealed from drafts with 3″ wide down-filled draft flap. Draw cord hood closure. One size for persons up to 6′2″. French Blue Color. Packs into a 9″x18″ waterproof stuffbag.

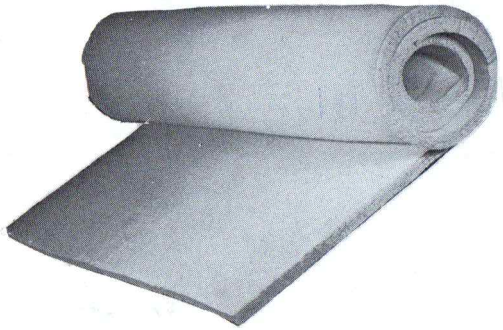
Wt. 3 lbs. 12 oz. ..... **S104** **$105.00**
With stuffsack. ..... **S104/A** **$107.50**
With 72″ zipper. ..... **S104/Z** **$107.00**
With stuffsack, 72″ zipper. ..... **S104/AZ** **$109.50**

For your protection, the State of California has an unusually strict code for down filling. Trailwise bags, manufactured by the Ski Hut, are assured of fillings well in excess of California requirements for certification.

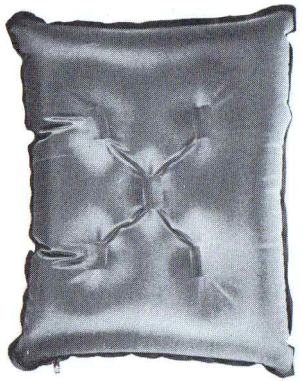
mattresses and pads

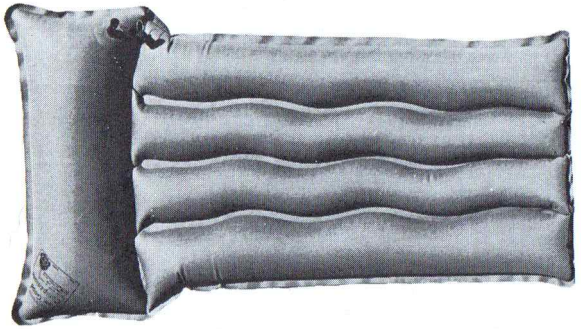


LI-LO PEERLESS. A full-length air mattress having 5 longitudinal tubes and 2 lateral tubes (foot and shoulder). Raised pillow section. Inflated size 78″ x 30″. Colors: Blue and Green as available. Wt. 4 lbs. 6 oz.
S375 ..... **$10.95**



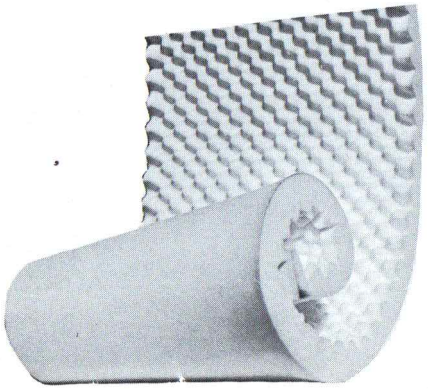
ENSOLITE SLEEPING PAD. Unicellular foam material noted for insulating efficiency. Will not soak up water like foam rubber. Reasonable comfort with superior protection against cold sleeping, due to inadequate ground insulation. ⅜″ thick. 19″ x 42″. 14 oz. **S121**..... **$3.95**
**Other sizes and weights listed on fabric page.





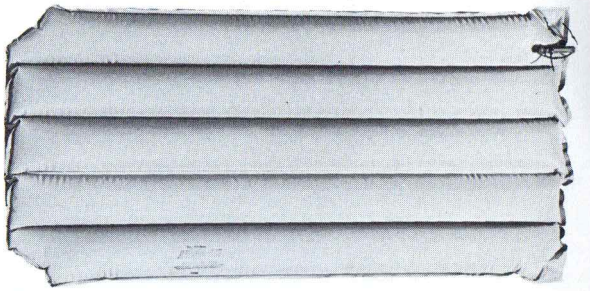
STEBCO AIR CUSHION. Can be used anywhere. Serves as head pillow, stadium seat, back support, car seat, beach and pool side etc. Easily carried in purse, pocket, glove compartment. DuPont nylon. Chrome plated twist "Positive Lock" valve. Color is Hunter green. Inflated size is 19½″ x 15½″. Wt. 8¾ oz. **S601** **$3.50**

"SCOTTIE." A lightweight, hip-length air mattress made by Thomas Black. Has four longitudinal air tubes and pillow. Sturdy rubberized canvas. Inflated size 45″ x 22″. Color: Green. Wt. 2 lb. **S345**..... **$8.95**



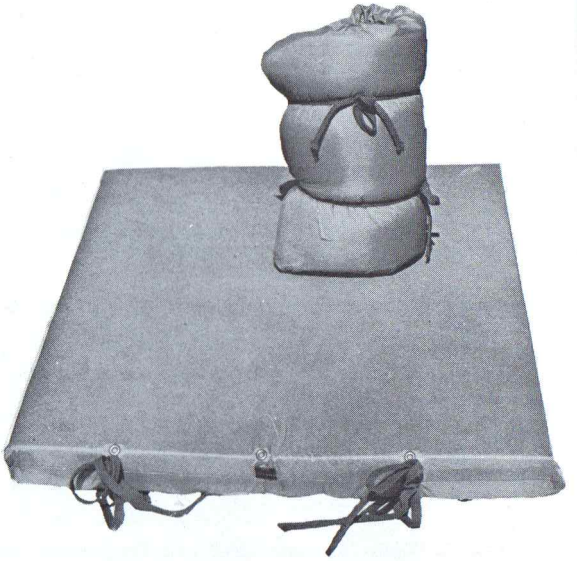
POLYURETHANE SLEEPING MAT. Sleeping pads are equal in comfort and have superior insulating qualities as compared to airbeds. No punctures, no inflating, light and durable. Can be thrown down anywhere; sit on it, lie on it, use it for backpacking, campers, station wagons or on a boat. One side is smooth; the other convoluted. Overall thickness, 2″; valleys are 1″ deep. Firm density. Two sizes:
Full size: 22″x76″ 2″ thick. Wgt. 2 lbs. 4 oz. **S123/6**..... **$6.75**
Half size: 22″x38″ 2″ thick. Wgt. 1 lb. 2 oz. **S123/3** **$4.00**

NYLON 72″. Similar to Nylon 48″ model except made longer. Inflated size 22″ x 72″. Wt. 2 lbs. 10 oz. **S372**..... **$11.50**



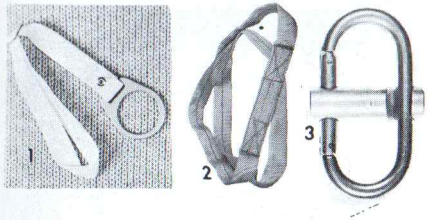
NYLON 48″ BACK PACKER. Mildew proof, stain and rot resistant. Two ply gum rubber vulcanized on inside. 5 tubes. Rubber molded valve with nylon plug stopper. Bright orange on one side, green on other. Inflated size approx. 48″ x 22″. Wt. 1 lb. 12 oz.
S348 ..... **$9.50**

LI-LO INFLATOR. A compact concertina type pump that will inflate your mattress in a few minutes. Very necessary in high altitudes and a big help at any altitude. Can be used on any mattress. Wt. 7½ oz.
S701 ..... **$1.95**



SLIMLINE PAD. 2″ thick foam pad covered with waterproof Nylport. Size 20″ x 30″, just enough to cover shoulders and hips, the main pressure points. Has insulating ability and comfort superior to a 48″ air-mattress. Wt. 17 oz. **S122**..... **$6.95**
SLIMLINE PAD. Full length of 60″. Covered with nylport. 2″ thick, 20″ x 60″ in size. Wt. 2 lbs. 6 oz. **S122F**..... **$12.95**

TRAILWISE NYLPORT GROUNDSHEETS. Made of an extremely fine woven nylon that is waterproofed with Urethane coating. Urethane coating remains flexible at low temperatures. Hemmed edges, grommets in corners and reinforced at points of strain. This is the lightest of grôundsheets and will give excellent service with reasonable care. Color: Beige. Two Sizes.
5′x7′ Wt. 13 oz..... **S120/57**.... **$11.50**
7′x9′ Wt. 1 lb. 8 oz.... **S120/79**.... **$16.50**
EXPENDABLE PLASTIC GROUND SHEET. A very inexpensive ground sheet made of waterproof 3-mil polyethylene plastic. 4 self-adhesive grommet tabs included. State color choice: Orange or Blue. Two sizes:
5′ x 8′ Wt. 12 oz. **S119/58**..... **$1.75**
8′ x 10′ Wt. 20 oz. **S119/81**..... **$2.95**



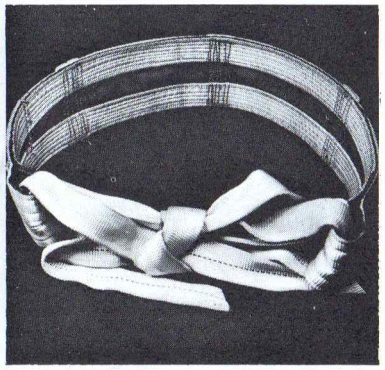
1 **ICE AXE REPLACEMENT GLIDE RING AND HAND STRAP.** ¾″ white Nylon web strap with aluminum glide ring and stop screw. Fits all axes listed. Wt. ½ oz.
M110 ..... **$1.25**

2 **NYLON TUBULAR SLING.** Loop made from 1″ width tubular Nylon, strongly stitched with Nylon thread. Ultimate strength, looped over a bar: 4700 lb. Wt. 2 oz.
M105/96 (96″ circ.) **$1.75**
M105/51 (51″ circ.) **$1.25**
M105/48 (48″ circ.) **$1.25**
M105/44 (44″ circ.) **$1.25**

NYLON TUBULAR SLING MATERIAL: Three Sizes.
1″ width, Ave. test 4800 lbs. 1½ oz. per yd.
TN100 ..... **10¢ foot**
⅝″ width, Ave. test 1850 lbs. Wt. 1 oz. per yd. **TN016** ..... **5¢ foot**
½″ width, Ave. test 1000 lbs. Wt. ¾ oz. per yd. **TN012** ..... **4¢ foot**

DIRECT AID SLINGS. Two 16′ lengths make up into two slings approximately 67″ long. 1″ nylon sling material tests approximately 4800 lbs. Assembly directions enclosed. Colors: Red, Green, White. Wt. 15 oz.
M113 .. no photo **$3.65**

3 **BRAKE BAR.** Made of aluminum. For friction braking on rappels. Machined to fit Ski Hut oval carabiner. Wt. 1½ oz. for bar only.
HK300 ..... **$1.00**



"SWAMI BELT" with carabiner loops. Particularly useful for tension climbing. Offers good support to small of back. For general climbing, allows easy tie-in and saves useful lengths of climbing rope. Extremely strong construction of Nylon web. 3″ wide tapering to 2″ at front. **M101** **$6.75**

PERLON SOLID CORE CLIMBING ROPE. Austrian mountaineering rope made by Teufelburger. Multiple use rope designed for strength, handling qualities and shock absorption. Tested by the Technical College of Vienna. Colors: Red, Yellow, Blue. State color preference and alternate choice.
9 mm dia. x 120′, tests 4500 lbs.
Wt. 4¼ lbs. **CP312** **$25.00**
9 mm dia. 150′, tests 4500 lbs.
Wt. 5¼ lbs. **CP315** **$29.50**
11 mm dia. x 120′, tests 5950 lbs.
Wt. 6½ lbs. **CP712** **$35.00**
11 mm dia. x 150′, tests 5950 lbs.
Wt. 8⅛ lbs. **CP715** **$45.00**

6 MM PERLON ROPE. Excellent for prusik slings and other uses requiring handling flexibility in a strong rope. Color: Red. Tests about 1980 lbs. Wt. 1¾ oz./100′
10¢ foot

PLYMOUTH GOLDLINE CLIMBING ROPE. A synthetic gold colored fiber woven into three strand 'hard lay' especially for mountaineering use. Retains 90 to 95% strength when wet. The 7/16″ diameter is recommended for continuous climbing whereas the ⅜″ dia. is satisfactory for moderate climbing or most belaying requirements on ice or snow.
7/16″ dia. x 120′, Ave. test 5550 lbs.,
Wt. 7⅛ lbs. **CG712** **$22.50**
7/16″ dia. x 150′, Ave. test 5550 lbs.,
Wt. 8¾ lbs. **CG715** **$27.95**
⅜″ dia. x 120′, Ave. test 4000 lbs.,
Wt. 4⅛ lbs. **CG312** **$15.50**
⅜″ dia. x 150′, Ave. test 4000 lbs.,
Wt. 5½ lbs. **CG315** **$18.95**
5/16″ dia. in bulk, Ave. test 2950 lbs.
CG516 ..... **10¢ foot**
¼″ dia. in bulk, Ave. test 1950 lbs.
CG014 ..... **6¢ foot**

ICE AXE RUBBER TIP PROTECTOR. Very hard rubber tip, serrated at bottom, with tapered hole for ice axe point. Can be used when walking with axe. 2½″ long, wt. 1 oz.
MA222 ..... **50¢**

Important: be sure to specify length of ice axe when ordering.

1 **ASCHENBRENNER WALLNER ICE AXE.** Designed to facilitate cutting of ice steps. Scalloped adze; flared pick. Carabiner hole. Ash handle. 36″ to 40″ lengths ave. Wt. 2¼ lbs. **MA201** **$16.50**

2. **ASCHENBRENNER GUIDE ICE AXE.** Features a curved adze which prevents the corners from jamming when cutting steps. Ave. wt. 38 oz. Sizes 32″-40″.
MA202 ..... **$15.00**

3. **ASCHENBRENNER STANDARD ICE AXE** with hickory handle. Flat adze. Ave. wt. 38 oz. Lengths from 32″ to 40″ at 2″ intervals. **MA203** **$13.75**

4. **ANDENMATTEN ICE AXE** with hickory handle. Possesses greater strength than axes with ash handles. Curved adze. Lengths from 32″ to 40″. Ave. wt. 36 oz.
MA204 ..... **$17.75**

5. **GRIVEL ICE AXE.** Has a high strength laminated shaft with superbly forged head. This outstanding axe is another addition to Grivel's fine line of mountain climbing equipment. The laminated handle is not only beautiful in appearance, but it also offers exceptional strength. This axe is rated one of the finest ever made. Length, 34″, 36″, 38″ and 40″. Wt. of 36″ axe, 2 lbs. 6 oz.
MA205 ..... **$23.95**

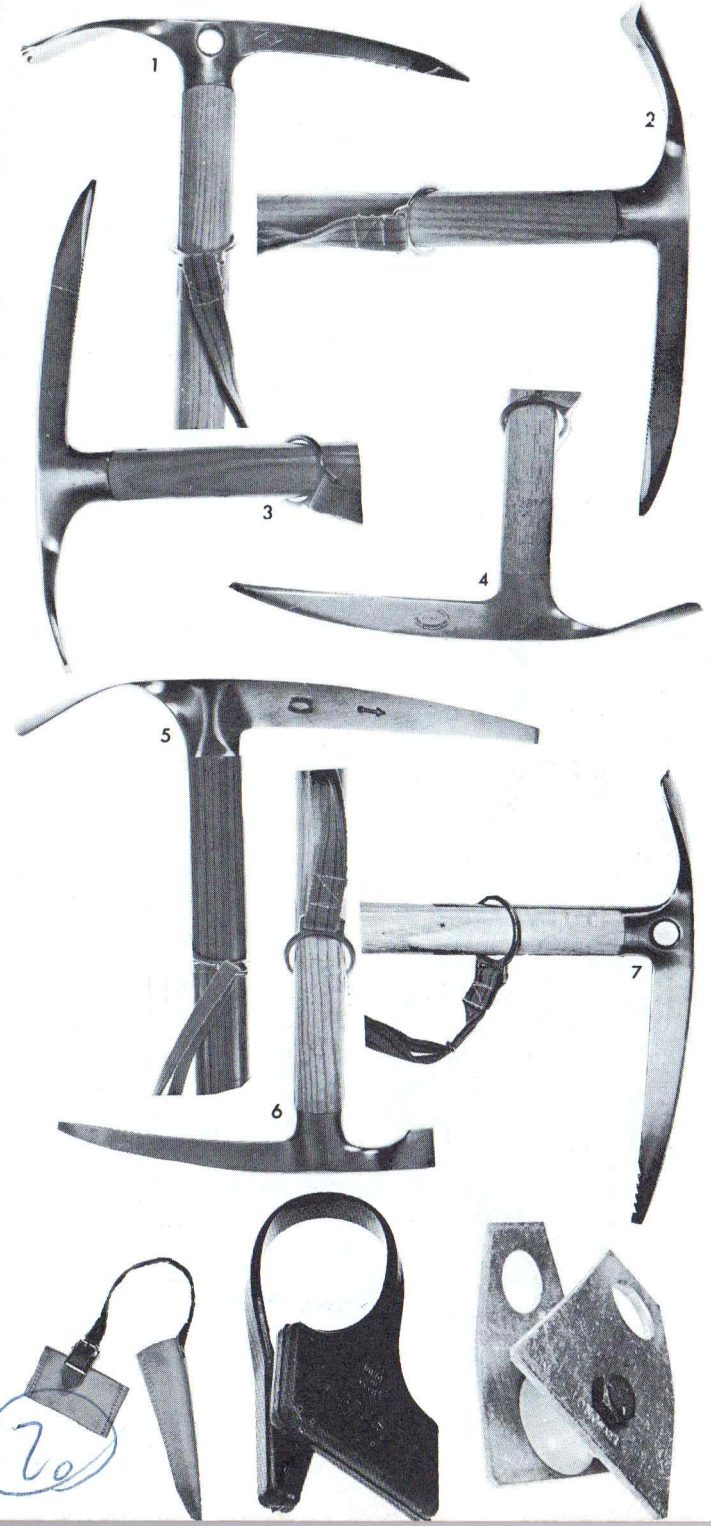
6. **AUSTRIAN ICE HAMMER.** Hand forged, well balanced. 1″ square hammer head and 5½″ long spike. Select ash handle. Used for cutting steps in ice and driving ice pitons. 20″ length, wt. 2¾ lbs.
MA206 ..... **$12.50**

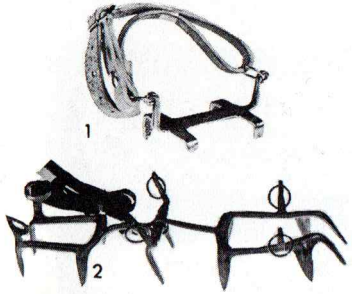
7. **NANGA PARBAT ICE AXE** with ash handle. Thin bladed pick with deeply serrated tip grips well in ice. Short distance to scalloped edge of adze provides leverage for cutting ice. Lightweight, ave. 1 lb. 12 oz. Approximate lengths from 29″ to 39″. **MA207** **$17.95**

LEATHER COVER FOR ICE AXE HEAD. Two-piece leather construction with buckle for adjustment. Wt. 1½ oz. **MA220** **$2.25**

RUBBER COVER FOR ICE AXE HEAD. Molded in one piece. Will stretch to fit ice axe head. Wt. 1½ oz. **MA221** **$1.25**

PULLEY. Nylon wheel grooved to take 7/16″ rope. Free swinging metal flanges punched for carabiner. Wt. 4 oz. **HK301** **$1.65**

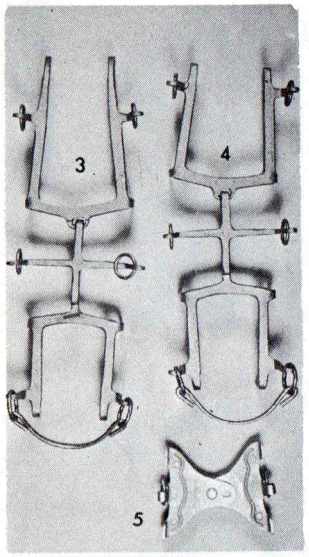




GRIVEL TWELVE POINT CRAMPON. Constructed of a strong steel alloy. Depth of point is approximately 1¼". Leather straps riveted to crampon included in the price. Ave. wt. 1 lb. 6 oz. Send outline of boot sole when ordering. **MC400** **$21.50**
no photo

GRIVEL TEN POINT CRAMPON. Same quality and point depth as 12-point. Straps included. Ave. wt. 1 lb. 4 oz. Send outline of boot sole when ordering. **MC401**..**$19.50**
no photo

1 **GRIVEL FOUR POINT INSTEP CRAMPONS.** High quality steel model for occasional use on non-technical ice. Includes leather straps. Wt. 11 oz. Send outline of boot sole when ordering. **MC404** **$6.50**

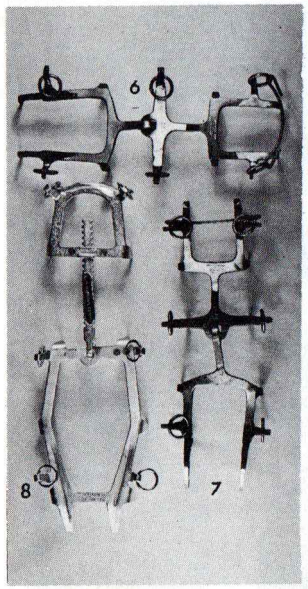


2 **SIMOND EVEREST 12-POINT CRAMPONS.** Truly a crampon for the most difficult of ice climbing. The long (1½") points are definitely superior for most snow conditions; broad toe points provide better grip on steep, technical walls. Ave. wt. 1¾ lb. Send outline of boot sole when ordering. **MS512** **$21.50**

3 **STUBAI TEN POINT CRAMPONS.** Made in Austria. Quality coated steel. Point depth 1⅛". Includes 2 projecting front points. Straps not included. Ave. wt. 21 oz. Send outline of boot sole when ordering. **MC210** **$15.95**

4 **STUBAI 8-POINT CRAMPONS.** Made in Austria. Quality coated steel. Point depth 1⅛". Point depth 1". Ave. wt. 21 oz Send outline of boot sole when ordering. **MC208** **$14.95**

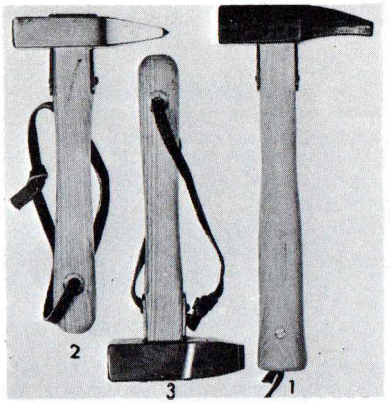
5 **STUBAI FOUR POINT INSTEP CRAMPONS.** Recommended for limited use where short stretches of ice must be crossed. Useful for ski-touring. Adjustable. Hemp straps included. Wt. 11 oz. complete. Send boot outline when ordering. **MC204**.....**$3.75**



6 **ALPINE TWELVE POINT CRAMPONS.** Made in Austria. Extremely sturdy for their weight. Recommended for general ice and snow use. Point depth 1". Ave. wt. 21 oz. Straps not included. Send outline of boot sole when ordering. **MC310** **$14.95**

7 **ALPINE TEN POINT CRAMPONS.** Same as above. Straps not included. Send outline of boot sole when ordering. **MC312** **$13.95**

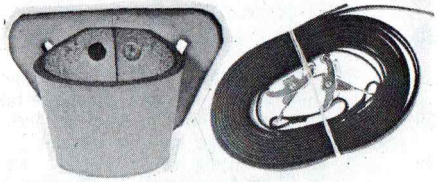
8 **SALEWA ADJUSTABLE CRAMPONS.** Can be adjusted to fit any boot—and fit it well. Enough latitude to accommodate from size 6 to 13, any width. An exceptionally strong crampon, for the most difficult of ice climbing. Twelve points, including downward-projecting toepoints. Curved front coincides with rocker of boot sole for closest fit. Wt. 1 lb. 6 oz. **MC612**.....**$13.75**



1 **CHOUINARD YOSEMITE HAMMER.** From the maker of the world's finest technical rock equipment. Prototypes of this hammer were six years in the testing by Yvon Chouinard and Tom Frost on the great rock walls of North America. Perfectly balanced 18 oz. head is mounted on a handle of American hickory. Blunt pick serves dual purpose: To pound pitons in tight places; and to pry when necessary. Each hammer comes with a permanently attached shoulder sling. Overall wt. 22 oz. **HH202**.....**$9.00**

2 **PITON HAMMER MODEL 'P'.** Made in Austria Pointed end. Light weight model. Ash handle with leather thong. Head anchored with iron straps. 9½" handle. Wt. 1 lb. **HH100** **$3.95**

3 **PITON HAMMER MODEL 'C'.** Made in Germany, chisel end. Ash handle with leather thong. The head is anchored with iron straps. 9½" handle. Wt. 1¼ lb. **HH101** **$2.95**



HAMMER HOLSTER. Leather. Riveted construction. Slits for belt. Holster is located up close to belt slits so it will not rotate when pulling hammer out. Wt. 1 oz. **HH110** **$1.50**

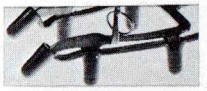
GRIVEL TYPE CRAMPON STRAPS. Strong Nylon webbing with quick-release buckles. Easy to attach to crampons with dot rivets provided. Fit any crampons which may have rings for attaching straps. Wt. 5 oz. **M106** **$2.95**

LONGTHONG CRAMPON STRAPS. Strong Nylon straps with quick-release buckle, 62" long. Wt. 3 oz. **M108** **$2.75**

BELL FIBERGLAS ROCK HELMET. These hard hats combine the greatest possible protection with the least possible weight. Both models have a piece of foam padding on the inside top, over the crushable liner. Thickly padded Nylon band provides comfort against head. Two models:

SKIAT: Heavy gauge shell; Snell Foundation approved. Collar wraps around back of head and ears. Wt. 1¾ lbs. **HT102** **$25.00**

MALIBU. Standard gauge fiberglas shell, simple ¾" chinstrap. Wt. 1½ lbs. Available in either orange or white. Specify color preference. **HT103** **$15.00**



CRAMPON SPIKE PROTECTOR. Rubber caps completely cover sharp crampon spikes. Unit molded rubber will stretch to fit various size crampons. Specify for 10 or 12 points. Wt. 2½ oz. **M102** **$1.25**

BELAY SEAT. Provides adjustable feature for more comfort while belaying or during bivouacs. Nylon fabric with nylon cord for attachment to carabiner. Wt. 5 oz. **M112**.....**$4.50**

1. **CHOUINARD CARABINER.** Aluminum alloy. Tests about 4500 lbs. Wt. 2⅓ oz. **HK100** **$3.00**

2. **SKI HUT OVAL CARABINER.** Aluminum alloy. Tests about 3000 lbs. Wt. 2 oz. **HK101** **$2.50**

3. **SALEWA CARABINER.** Aluminum alloy. Tests about 4900 lbs. Wt. 2⅓ oz. (Will not pass through piton eye smaller than 19/32") **HK102** **$1.95**

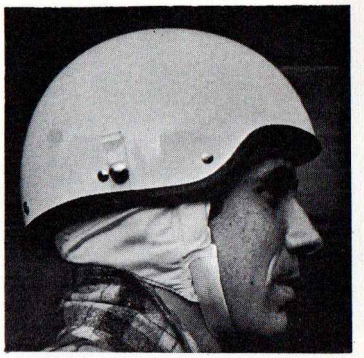
4. **CASSIN LOCKING CARABINER.** Steel. Tests about 4800 lbs. Wt. 7¾ oz. **HK211** **$2.00**

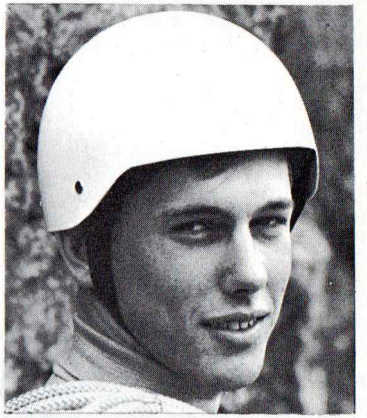
5. **CASSIN LARGE CARABINER.** Steel. Tests about 4000 lbs. Wt. 7 oz. **HK212**..**$1.75**

6. **CASSIN STANDARD CARABINER.** Steel. Tests about 2860 lbs. Wt. 4¼ oz. **HK210** **$1.50**

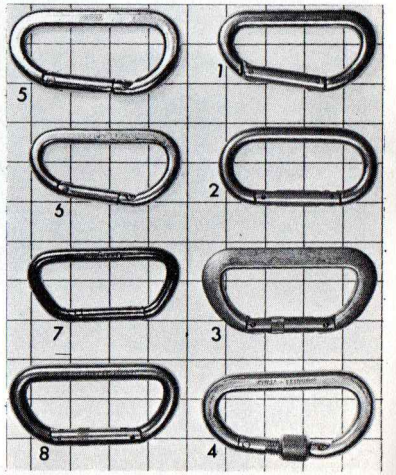
7. **CHROME-VANADIUM STANDARD CARABINER.** Extra high strength. Tests about 7500 lbs. Wt. 4½ oz. **HK213**....**$2.95**

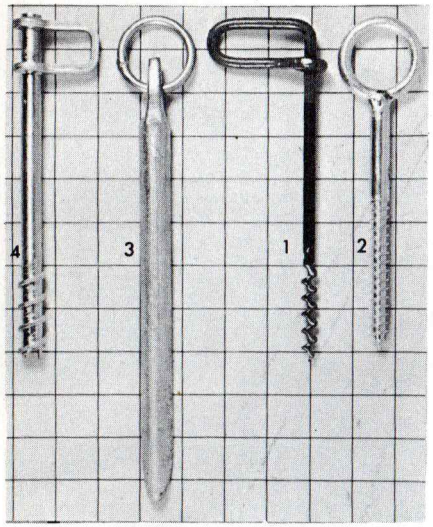
8. **BONAITI CARABINER.** Aluminum alloy. Tests about 4800 lbs. Wt. 2¾ oz. **HK215** **$2.75**





photos over 1 inch grid





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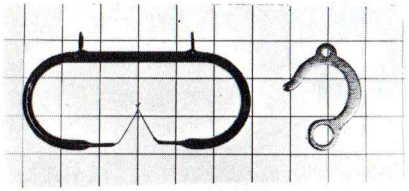
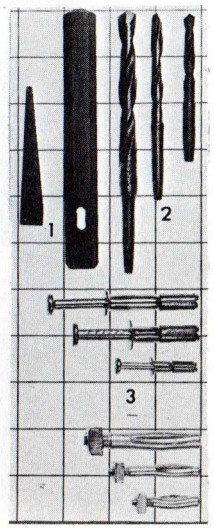




1. **AUSTRIAN ICE SCREWS.** Corkscrew type. Easy to insert. Must be unscrewed to be removed. Design by Mariner.
   6½″ shank, 7mm dia. shaft, Wt. 3½ oz. ..... **HS306** **$1.75**
   5″ shank, 7mm, dia. shaft. Wt. 3 oz. ..... **HS305** **$1.50**

2. **ICE SCREW.** 1¼″ ID ring. Exceptional holding strength. Start with hammer and screw into ice. Wt. 5½ oz. **HS405** **$1.65**

3. **CASSIN SEMI TUBE ICE PITONS.** 8½″ shank. Wt. 6½ oz. **HS800** **$1.15**

4. **SALEWA HOLLOW TUBE ICE SCREW.** A machine tooled ice screw designed for maximum strength and holding power. Three sizes:
   5″. Weight 3 oz. **HS905** **$3.95**
   6½″. Weight 4 oz. **HS906** **$3.95**
   12″. Weight 6 oz. **HS907** **$3.95**

SNOW GOGGLE. Ventilated aluminum frame. Cushioned by molded rubber attached to rim of frame. Adjustable elastic head band. With plastic lenses, wt. 1 oz. **ME101** .. **95¢**
Spare lenses ..... **pr. 20¢**

PITON HOLDER. Metal oval with spring clip. Holds about 10 pitons; each can be easily removed or replaced. Wt. 3 oz.
HE104 ..... **$1.95**

FIFI HOOK. Allows easy retrieving of rope ladders. Attached to ladder and hooked into piton eye. Retrieving line attached to small hole so ladder can be pulled up from above with ease. 1¼ oz. **HE101** ..... **75¢**

BOLT EQUIPMENT

1) **HOLDER FOR ¼″ AND ⅜″ DRILLS.** 8 oz.
HN100 ..... **$1.75**

2) **DRILLS:** These are two-flute, for faster drilling times.
¼″ size for rawl bolts
HN214 ..... **$1.25**
¼″ size for ¼″ Star Dryvins
HN414 ..... **$1.25**
⅜″ size for Rawl or Star Dryvins
HN238 ..... **$1.65**
Above drills are made by Diamond and all will fit the holder listed above.

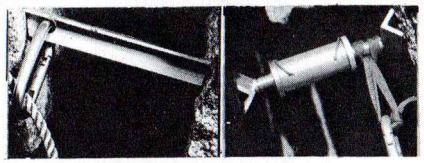
3) **BOLTS:** Rawl type:

¼″ stud x 1½″	**HN514**	**$ .18**
¼″ stud x 2″	**HN614**	**$ .20**
⅜″ x 2½″	**HN638**	**$ .30**
Star Dryvin type:		
¼″ x 1″	**HN714**	**$ .11**
⅜″ x 1½″	**HN838**	**$ .18**
⅜″ x 2″	**HN938**	**$ .20**

FLAT LEATHER RAPPEL PATCH. A 4″ x 20″ piece of thick latigo leather. Two punched holes with thongs. 8 oz. **M103** **$2.95**

MOLDED LEATHER RAPPEL PATCH. One piece leather with thongs attached. 8 oz.
M104 ..... **$3.75**

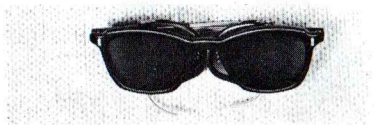
STIRRUP STEPS. Use with about 11 feet of Goldline ¼″ rope for assembly of your own artificial aid stirrups. Step size 5″ x 1⅜″. Tempered Aluminum. ¾ oz.
HE100 ..... each **55¢**



EXPANSION CRACK-JACK. A device for use in wide cracks where placement of conventional pitons is not feasible. Made of tough, heavy gauge aluminum alloy. Crack-jack provides a very strong anchor. It is positioned and then "jacked" tight by using hammer handle as lever. Std. model has 4″ barrel for cracks 7″ to 9″ wide. Wt. 11 oz.
HE200 ..... **$11.00**

SPARE BARRELS. All interchangeable in above device.
3″ for cracks 6″-8″. **HE200/3** **$1.00**
5″ for cracks 8″-10″. **HE200/5** **$1.40**
6″ for cracks 9″-11″. **HE200/6** **$1.50**

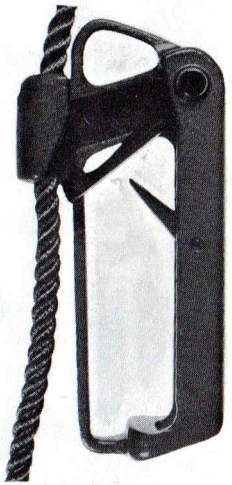
LONGWARE T-PIN PITON. Aluminum alloy piton of T-shaped stock. Application is to wide cracks. Piton hammered in across crack as shown above. Ave. wt. 2½ oz. Lengths as below.
4″, 5″, 6″ **HD904** ..... ea. **54¢**
7″, 8″, 9″. **HD907** ..... ea. **70¢**
10″, 12″. **HD910** ..... ea. **85¢**



SAFETY GLASSES. An ideal glass for skiers and climbers. Frames are tough cellulose acetate butyrate. Dark green Calobar lenses made of "Super Armorplate" glass. Lens mountings designed to prevent glass being driven toward eye if blow is received by glasses. Green perforated side shields. Five barrel hinges are corrosion-resistant.
Wt. 2 oz. **ME102** **$5.00**

CAGOULE. A very lightweight knee-length parka made of waterproof coated nylon. Parka is cut large so that knees may be drawn up inside during bivouac. Parka is suitable for wear in camp or on trail during inclement weather. Hood may be closed tightly around face by drawcord. Drawcord at bottom and elastic at wrists. Large Kangaroo pocket with Velcro closure. Parka stuffs inside its own pocket and closes with pocket closure, thus providing its own carrying bag. Red or Beige. Wt. 11 oz.
A120 ..... **$16.50**

FOOTSACK. A companion to Cagoule. Same fabric and color. Cut long to come well above waist. Wgt. 6 oz. **A121** **$6.95**

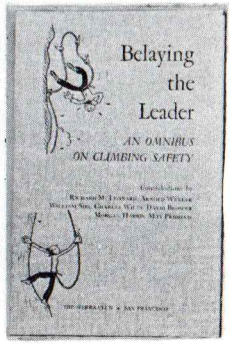


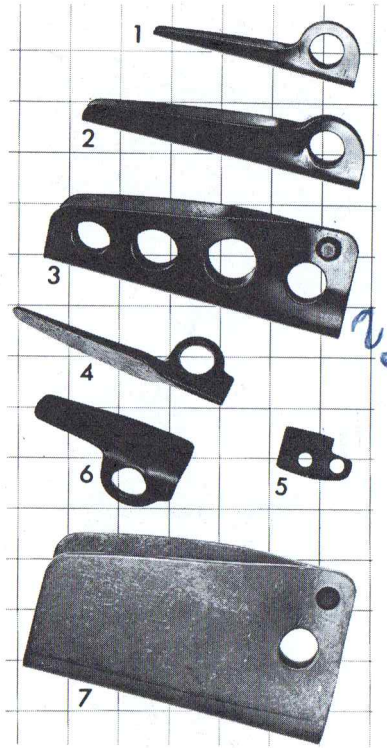
JUMAR ASCENDER. Swiss made device for ascending ropes. Replaces the use of Prussik knots. Strongly constructed of cast aluminum alloy. Can be used on ropes ¼″ to ½″ diameter. Each ascender comes with sling. Used in pairs. Total wt. with sling rope 11 oz. ea. **HE103** .... **ea. $15.00**
pr. $29.50

related readings

BELAYING THE LEADER — AN OMNIBUS OF CLIMBING SAFETY, by Sierra Club. 1959. 96 pages **$1.95**

BASIC MOUNTAINEERING, ed. Henry I. Mandolf. Published by the San Diego Chapter of the Sierra Club. A new, forthright, easy-reference guide which is excellent for the beginner and useful to the more experienced outdoorsman as well. Equipment selection, cooking, first aid, snow climbing, glacier travel, desert travel, alpine rescue, other related topics. 112 pp. Paper **$2.00**





CHROME-MOLY CHOUINARD EQUIPMENT

1 **WEDGE ANGLE:** Lighter than solid wedge pitons.
½"—Blade length 3". Wt. 2 oz. **HY102**.....**$1.25**
⅝"—Blade length 3". Wt. 2 oz. **HY058**.....**$1.25**

2 **REGULAR ANGLE:** ¾". Wt. 3 oz. **HY034**.....**$1.35**
1". Wt. 4 oz. **HY010**.....**$1.40**
1¼". Wt. 4½ oz. **HY104**.....**$1.50**
1½". Wt. 5 oz. **HY015**.....**$1.65**

3 2". With lightening holes. 6 oz. **HY020**.....**$1.80**

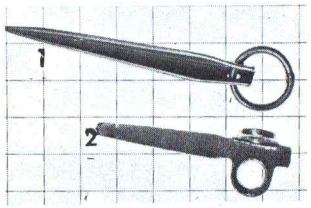
4 **LOST ARROW HORIZONTALS:** Lightest weight chromoly pitons

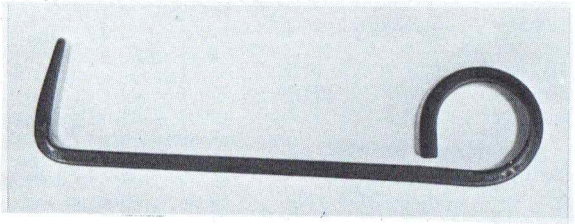
	Blade Length	Blade Thickness	Weight	Price
Short-thin	2"	5/32"	2 oz.	**HY401 $1.85**
Short-medium	2¼"	3/16"	2¼ oz.	**HY402 $1.85**
Short-thick	2⅜"	9/32"	2½ oz.	**HY403 $1.85**
Long-thick	3 5/16"	9/32"	3¼ oz.	**HY406 $1.85**
Long-medium	3⅛"	3/16"	3 oz.	**HY405 $1.85**
Long-thin	2¾"	5/32"	2¾ oz.	**HY404 $1.85**
X-Long-thick	4"	9/32"	4 oz.	**HY408 $1.85**
Wedge	2¾"	⅜"	3¼ oz.	**HY407 $1.85**

5 **RURP:** For use in hairline cracks. ¾ oz. **HY000**.....**$1.50**

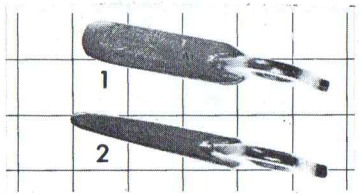
6 **BUGABOO PITONS:** Heavier than Lost Arrows, but cheaper.
Knifeblade — 7/64" thick, 1½" blade. 1½ oz. **HY001**..**$1.50**
Short-Thin — ⅛" thick, 1½" blade. 1½ oz. **HY002**..**$1.50**
Long-Thin — 5/32" thick, 3" blade. 3 oz. **HY003**..**$1.50**
Short-Medium — ¼" thick, 2" blade. 4½ oz. **HY004**..**$1.30**
Long-Medium — ¼" thick, 3" blade. 5 oz. **HY005**..**$1.30**

7 **ALUMINUM BONGS:** Four Sizes
2". Wt. 10 oz. **HY610**.....**$2.00**
2½". Wt. 6½ oz. **HY611**.....**$2.25**
3". Wt. 8 oz. **HY612**.....**$2.50**
4". Wt. 10 oz. **HY613**.....**$2.50**

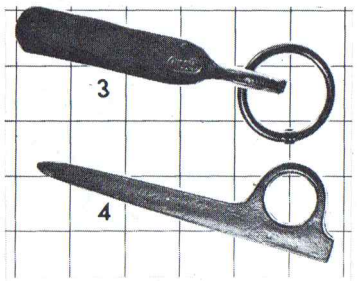




CHOUINARD CLIFFHANGER: Extremist device to hook on small rugosities and flakes with the view of eliminating bolts. 2 oz. **HY009** **$1.50**



1. **RING ANGLE.** 7" long, wt. 4½ oz. **HS001**.....**90¢**
2. **AUSTRIAN DOUBLE-EYE.** Wt. 3 oz. **HS100**.....**65¢**



ITALIAN CASSIN PITONS. Moderately malleable for good "bite" on rock surfaces. Styles as given below. Length of blade listed in inches. Ave. wt. 3 oz. All styles.....**50¢**
1. **HORIZONTAL: HR035**—3½", **HR023**—2⅜", **HR015**—1½".
2. **HORIZONTAL THICK: HR140**—4", **HR123**—2¾", **HR120**—2", **HR111**—1¼".
3. **RING WAFER: HR335** — 3½", **HR323** — 2⅜", **HR315** — 1½", **HR310** — 1".
4. **VERTICAL: HR440**—4", **HR423**—2¾".

LONGWARE PITONS

1 **CHROME-MOLY RING ANGLE PITONS:** 3/32" stock. Size: 1"x5". Wt. 4½ oz. **HD010**.....**$1.00**

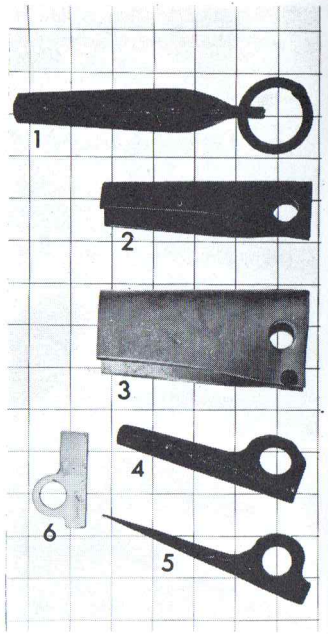
2 **CHROMOLY ANGLE PITONS:** (no ring) Punched carabiner hole, riveted. All sizes are 5½" long, in the following widths:
1½"—3½ oz. **HD015**..**$1.10** 3"—7½ oz. ..**HD030**..**$1.33**
2"—4½ oz. **HD020**..**$1.17** 3½"—9½ oz. **HD035**..**$1.45**
2½"—6 oz. **HD025**..**$1.25** 4"—12 oz. **HD040**..**$1.50**

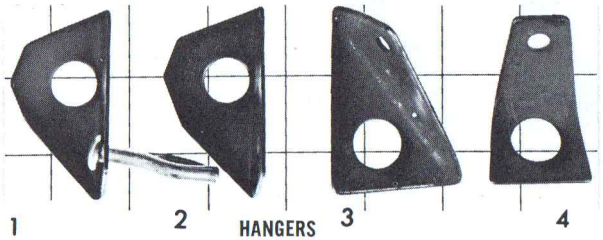
3 **DURALUMINUM ANGLE PITONS.** One-third lighter than Chrome-moly.
2" x 5" **HD120**.....**$1.40** 2½" x 5" **HD125**.....**$1.50**
3" x 5" **HD130**.....**$1.60** 3½" x 5" **HD135**.....**$1.65**
4" x 5" **HD140**.....**$1.75** 4½" x 5" **HD145**.....**$1.85**
5" x 5" **HD150**.....**$2.00** 6" x 5" **HD160**.....**$2.15**

4 **CHROMOLY U-FORM:** Channel angle with taper from ⅜" to ⅝". Specify 4" or 5" long. 1½ oz. **HD058**.....**$1.00**

5 **CHROME-MOLY HORIZONTAL PITONS:** 6 sizes. (all horizontals)
Long taper (Blade is 5/16 x ½ x 3½) Wt. 4 oz. **HD200**..**$1.45**
Short taper (Blade is 5/16 x ½ x 1¾) Wt. 2¾ oz. **HD201**..**$1.45**
Blade (Blade is ¼ x ⅝ x 2¾) Wt. 3¼ oz. **HD204**..**$1.45**
Spoon (Blade is ¼ x ⅞ x 2½) Wt. 3¼ oz. **HD205**..**$1.45**
Wedge (Blade is ⅜ x ½ x 2½) Wt. 2¾ oz. **HD203**..**$1.45**
Mini (Blade is 3/16 x ⅜ x 1¾) Wt. 2 oz. **HD202**..**$1.45**

6 **CHROME-MOLY KNIFE BLADE PITONS:**
Vertical: 1" (Blade 3/32 x ⅝ x 1) Wt. ½ oz. **HD001**..**$1.35**
1¼" (Blade 3/32 x ⅝ x 1¼) Wt. ½ oz. **HD002**..**$1.40**





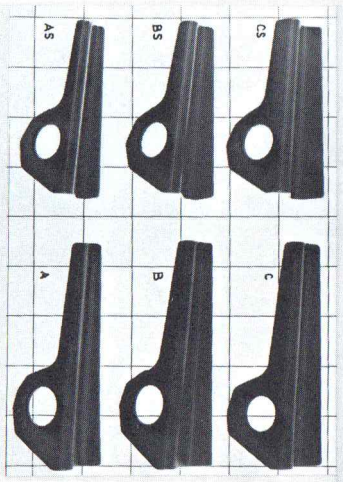
HANGERS

1) **LEEPER CARABINER HANGER WITH COMPRESSION BOLT.** Chrome-moly hanger 1/16" stock. ¼" rawl drive. 1½" long. Wt. 1½ oz. **HL910**.....**ea. $ .40**

2) **LEEPER CARABINER HANGER WITHOUT BOLT.** Chrome-moly steel 1/16" stock. Specify ¼" or ⅜" bolt hole size. Wt. ⅞ oz. ¼"—**HL914**: ⅜"—**HL938**.....**ea. .25**

3) **LONGWARE CARABINER HANGER.** Chrome-moly steel. 1/10" stock. Specify ¼" or ⅜" hole size. Wt. 1⅜ oz. Horizontal model. ¼"—**HD940**: ⅜"—**HD938**.....**ea. .15**

4) **LONGWARE CARABINER HANGER.** Chrome-moly steel. Same specs. as hanger listed above. Vert. ¼" hole size only. **HD194** .....**ea. .15**

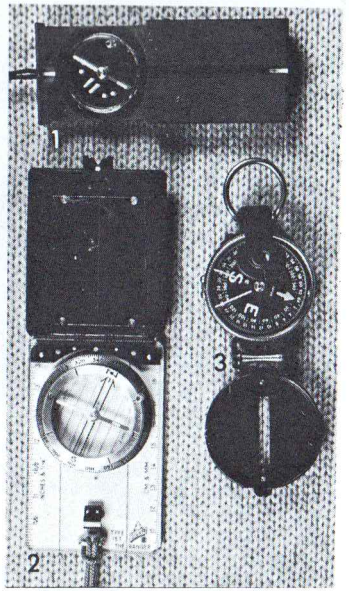


LEEPER CHROME-MOLY PITONS

MODEL A: To fit cracks 5/16" to 7/16" wide.
1½" blade, 2 oz.....**HL503**.....**$1.00**
2½" blade, 2½ oz.....**HL504**.....**$1.00**

MODEL B: To fit cracks 7/16" to 9/16" wide.
1½" blade, 2½ oz. .....**HL703**.....**$1.00**
3" blade, 3½ oz. .....**HL704**.....**$1.00**

MODEL C: To fit cracks 9/16" to 11/16" wide.
1¾" blade, 3 oz. .....**HL903**.....**$1.15**
3½" blade, 4½ oz. .....**HL904**.....**$1.15**



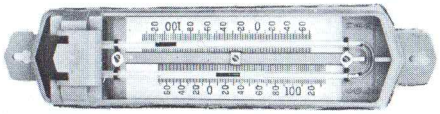
1 **SILVA PROSPECTOR.** Luminous points. Sapphire bearing. Waterproof. Graduated 0° to 360°. Liquid filled housing is fitted into a drawer. Declination can be set off for any area. Closed size 2⅝" x 1⅞" x 13/16". Wt. 4 oz. **J302**.....**$13.75**

2 **SILVA RANGER.** Lighting mirror for speed and accuracy. Sapphire jewel bearing. Highly magnetized needle encased in liquid. Luminous points. Waterproof. Appraised by many as the world's best hand compass. Used by surveyors and scientific explorers. Size 4" x 2½" x ¾". Wt. 5 oz. **J303**.....**$14.95**

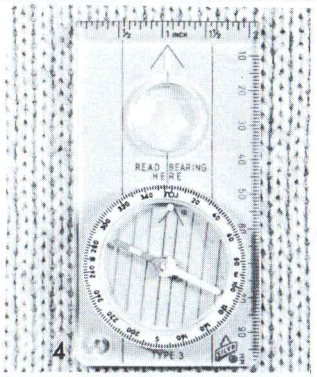
3 **LENSATIC COMPASS.** Engineer's type compass with sighting device for taking azimuth readings. Small magnifying glass gives degree reading off compass face while sighting. Inexpensive, sturdy and lightweight. Wt. 2 oz. **J307**.....**$2.95**

THERMOMETER. Ideal for mountaineers and campers. Range of −30°F. to 130°F. Comes in a metal case 6¼" long, ⅜" diameter (about pencil size) with pocket clip and carrying ring. Wt. 1½ oz. **J102**.....**$2.50**

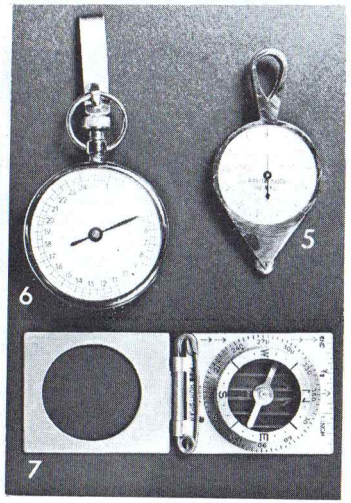
GLASS STEM REPLACEMENT TUBE for above thermometer. **J404**.....**$1.95**



MAX-MIN THERMOMETER. Has a range from −30°F. to 130°F. This instrument will record the lowest temperature and the highest temperature from the time of its last setting. Easy to reset. Small size 2⅜" x 10½" x 1¼". Wt. 6 oz. **J103**.....**$12.95**



4 **SILVA EXPLORER.** Sapphire jewel bearing. Liquid filled housing stops oscillation within 4 seconds. Waterproof. Professional quality, especially for use with maps. Size, 2⅛" x 3 5/16" x ½". Wt. 1½ oz. **J301**.....**$4.95**

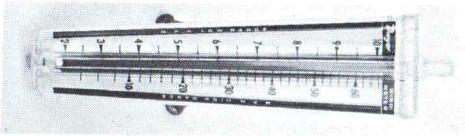


5 **MAP MEASURER.** One of the most important aids to topographic or aeronautic chart reading that has ever been on the market. A direct reading map measurer: no conversion charts needed for any standard domestic maps. 1:62500, 1:31680 and 1:24000 scale maps can be read simply by running the little wheel over the distance to be measured; mileage will appear directly on the dial. Reverse dial is a conventional map measurer which can be used on any map. Precision made. 2⅞" long. Nickel plated. Wt. 1 oz. **J201**.....**$2.50**

6 **NEW HAVEN PEDOMETER.** Registers up to 100 miles. Has clip for fastening directly to belt. 90-day factory guarantee against all defects in material and workmanship. Polished nickel chrome finish. Wt. 3 oz. **J202**.....**$7.95**

7 **SILVA HUNTSMAN.** Sapphire jewel bearing. Liquid filled housing stops needle oscillation within 4 seconds. Luminous points. Waterproof. Closed cover serves as sun watch dial; open cover shows 360° graduations. Safety pin fastener attached. 1½" x 2" x ⅜". Wt. 1 oz. **J300**.....**$5.95**

8 **THOMMENS HIGH ALTITUDE ALTIMETER.** Reads up to 21,000 feet with accuracy of ± 30 feet within the entire range. Compensated for temperature changes. Instrument also has a barometric scale with a range of 22.5 to 31" of mercury. Comes in neat leather case. Size 2⅞" x 2½" x ⅞". Wt. 28 oz. **J201**.....**$45.00**



WIND SPEED INDICATOR. Accuracy of ½ mile/hr. on low scale and 3 mi./hr. on high scale. Dual range scale reads from 2 to 60 mi./hr. Instrument is precision die molded of acrylic plastic. Size 8" x 3" x ½". Wt. 2½ oz. **J101**.....**$5.95**

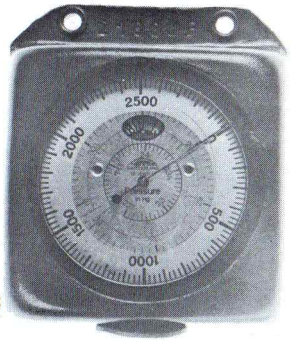
9 **BUSHNELL 6 x 25 PRISMATIC BINOCULAR.** Lightweight wide angle (11°) viewing instrument, Magnifies 6 times, giving image of exceptional clarity and brilliance. Bushnell quality throughout; special hard coated lenses for superb light efficiency; single piece magnesium body for maximum durability with minimum weight. Fitted carrying case, plush lined and rigidly reinforced. Bushnell 20 year guarantee of free parts and service, if not damaged by abuse or negligence. Wt. 16 oz.
Center Focus **J402**.....**$49.50**

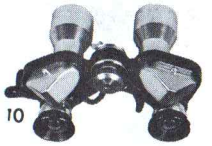
10 **BUSHNELL 7 x 18 PRISMATIC BINOCULAR.** Featherlight, palm-pocket size. Magnifies 7 times. Light gathering ratio 2.57:1. Angle of field 6.2°. Bushnell quality throughout. For those who go light; mountaineers, backpackers or light-weight travelers. Includes fitted carrying case. Bushnell 20 year guarantee. Wt. 6 oz. Center Focus **J403**.....**$29.50**

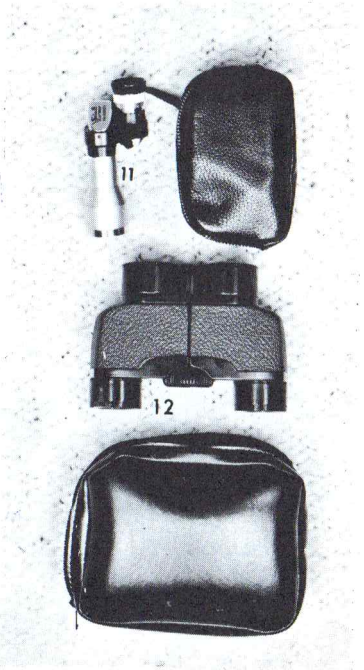
11 **10 x 20 MONOCULAR.** Made in Japan. This 10 power instrument brings in a clear, sharp image. Coated achromatic and objective lenses. Small, lightweight, precision built. With neck thong and carrying pouch. Wt. 4 oz. **J404**.....**$15.00**

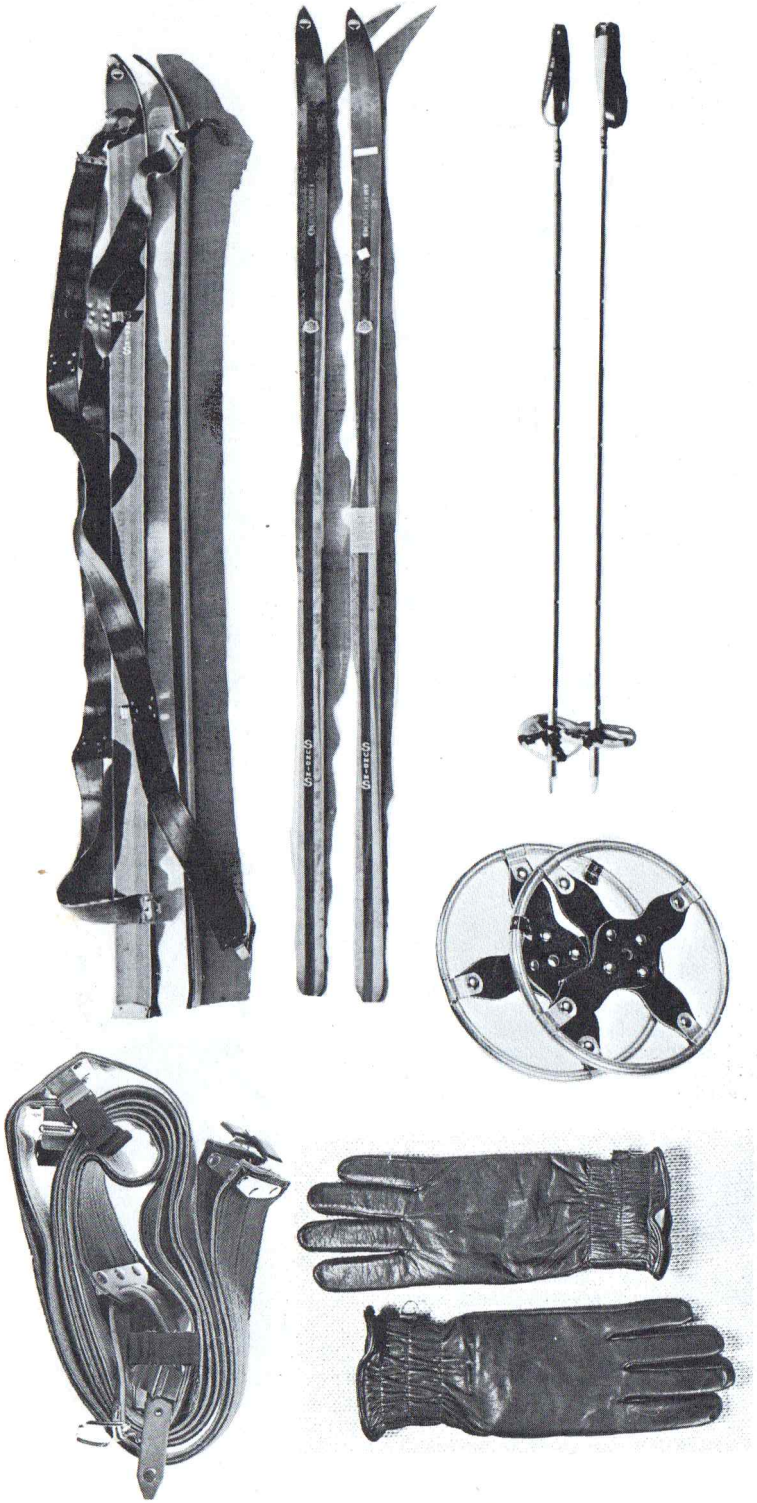
12 **BUSHNELL 6 x 25 CUSTOM COMPACT.** This is the finest compact binocular we have ever seen. Superb optics, rugged construction and ultra-lightweight (11 oz). Features retractable eyecups that allow user a full field of view even while wearing glasses. Clarity and brilliance of image is first-class. Includes fully lined, reinforced case of top-grade black cowhide, and Bushnell's 20 year guarantee on parts and service. Field of view is 420', exit pupil 4.2 mm, weight 11 oz. Center Focus **J405**.....**$64.50**

BUSHNELL SENTRY TELESCOPE. A compact, powerful spotting scope with a wide field of vision. Has a hard-coated 50mm objective lens with retractable sunshade. 13" long. Eyepiece is 20 power, with 2.6mm exit pupil that gives a field of 131' at 1000 yards. Mounts on any camera tripod. Lens caps provided for both ends. Wt. 18 oz. **J407**.....**$54.50**
EXTRA EYEPIECES. 32x with 76' field, 1.7mm. **J408**.....**$19.50**
48x with 40' field, 1.1 mm. **J409**..... **19.50**









SUNDIN'S TOURING SKI. Swedish made ski of superior quality. Wood is laminated birch and teak, with hickory running surface. Varnished uppers with contrasting stripes. Steel edges. Width at shovel is 80mm (3⅛"); at binding, approximately 2½". Ave. wt. per pr. 6½ lbs. Please state ski length. **K101**.....**$34.50**

SUNDIN'S X-COUNTRY RACING SKI. Swedish made ski, laminated of birch-spruce-ash and teak. 4 Gold Medals in 1960 Olympic games. Hickory edges. Varnish finish. Width at shovel is 55mm (2.16"); at binding; 1⅞". Ave. wt. per pr. 3¼ lbs. Please state ski length when ordering. **K102**.....**$29.50**

SUNDIN'S X-COUNTRY S65J. Similar to **K102**. Laminated birch and teak. Lignostone edges on running surface. Width at shovel is 65mm (2½"); at binding, 2.41". Ave. wt. per pr. 2½ lbs. Specify length of ski when ordering. **K105**..no photo.....**$29.95**

TRIMA SKI CLIMBERS. A plush type skin with canvas backing. Skin is held to ski by small fittings placed in ski groove. Unquestionably the simplest type of climbing device for ski touring. No straps to ice over. Easy to get on and off. Trima Climbers for wood skis complete. Specify length of ski. Wt. 24 oz. Price.
K111 .....**$15.25**
Trima Climbers with special fittings for metal skis. **K112**.**$16.25**
Trima attachments only (for Conv. to metal skis). **K113**...**$8.50**
Trima parts available. Prices on request.

VINERSA CLIMBERS. Made in Germany of heavy, quality plush with canvas backing. Unique design of clip-type straps allows skin to remain tight and straight on ski; eliminates wear of straps over edge of ski; avoids placement of holes through ski. Can be put on and taken off very quickly. State ski length when ordering. Ave. wt. 23 oz. For wood or metal skis. **K110**.....**$14.00**

SEAL SKIN STRAP-ON CLIMBERS. Seal skin climbers need not be removed for downhill running. Longer nap than plush makes seal skins faster for downhill running but less suitable for steep climbing. Specify ski length when ordering. **K115**.....**$13.95**
no photo

PLUSH STRAP-ON CLIMBERS. Full length plush with heavy canvas backing. Sturdy hemp straps and snap-lock non corrosive buckles. Specify ski length when ordering. Wt. 1¼ lb. **K114**.....**$10.95**
no photo

CLIMBING SKIN MATERIAL. Plush climbing skin material with cloth backing. Edges bonded with latex rubber. 2⅝" wide. Wt. 2½ oz. per yd. **K116**.....**yd. $1.50**

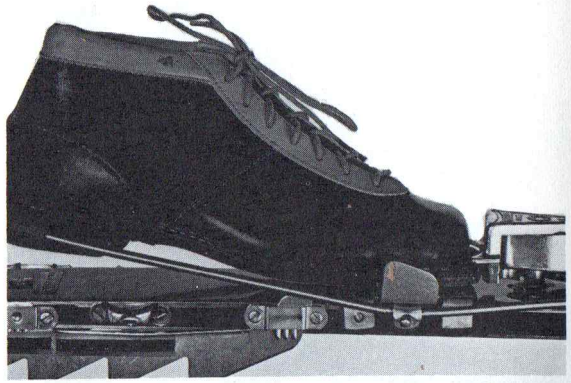
BAMBOO SKI TOURING POLES. Weight is kept at a minimum by using bamboo poles for ski touring. Curved tip eases release from snow. Baskets have 4" diameter; attached with cotter pins to allow changing of baskets. Leather hand straps. Lengths: 130cm (51") to 160cm (63") at 5cm intervals. Ave. wt. 18 oz.
K121 .....**$7.95**

TOURING POLE BASKETS. Extra large rings for ski touring requirements. Diameter of the basket is 6". Leather cross straps with cane ring. Attach with cotter key (provided). Wt. 6 oz. pr.
K120 .....**$1.75**

LEATHER INSULATED GLOVES. From Mohawk. Quality leather with Curon lining. 3" elasticized cuff. All seams turned in. Clip-on snaps prevent loss. Men's, women's sizes: S, M, L, XL. Color is black. Wt. 5 oz. **A503**.....**$12.50**

KANDAHAR TOURING ATTACHMENT. Mounts permanently on any downhill ski to convert it when necessary to ski-touring. The "toe-irons" fold flush with the ski for the downhill runs. Most important, it can not drop off and get lost! **K206**.....**$7.50**

LAKE PLACID TOURING BOOT. For ski-touring, this is the kind of boot that will put wings on your feet: lightly and strongly built to save precious ounces; supple and comfortable for effortless running X-Country. Highly recommended for short tours in the Spring. Rugose rubber sole, pebble-grained black leather tops, metal reinforced at heel counter and toe welt. Fits any X-Country or touring binding. Padding around top seals against snow. Sizes 6 to 11½, one width. Men's ave. wt. 3¼ lb.; women's 2¾ lb. **B208**..**$19.95**

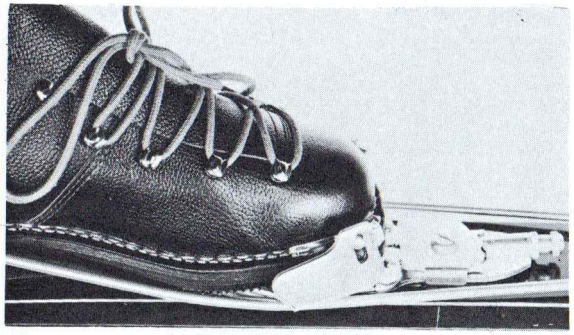


PERSSONS X-C RACING SHOE. Very light and flexible Swedish Cross-Country racing shoe. Pebble-grained black leather top with padding around ankle to keep out snow. Very supple leather sole with soft rubber heel. Fits only X-C racing binding. Sizes 7-11½, ave. wt. 2 lb. **B207**.....**$19.95**

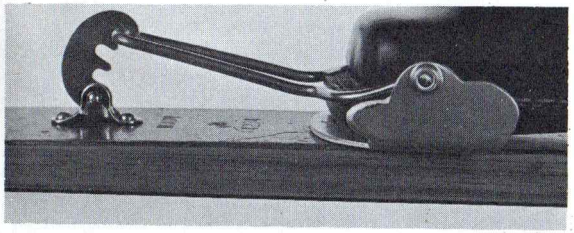
HARSCHEISEN. Useful on the more difficult ski-mountaineering ascents for conditions of extreme windpack and ice. **K125**..**$4.50**

"TEMPO" TOURING BINDING. A very sturdy binding made in Norway. Features simple adjustment and attachment. Fits all skis 2½" wide and up. Two sizes: Women's fits up to size 7½. Men's fits boots up to size 13. Wt. 28 oz. **K201** ..no photo.....**$6.95**

MINARET SKI TOURING ATTACHMENT. Lightweight, tempered aluminum plates for holding boot toe squarely on the ski when cables are set loose for touring. Can be used with most types of "safety" toe pieces such as Ski Free, Nevada, Marker, etc. When safety is desired, the attachment is easily removed for the downhill run. Plate is easily formed. Must be fitted to both boot and ski. Fitting instructions and diagrams enclosed. Wt. 3½ oz. pr.
K205 ..... **$3.25**



RAMY SECURUS MONOBLOC. French made safety-touring binding. We believe this to be the best binding available for the ski-tourer. It provides the desirable characteristics of "toe-irons" or a touring attachment, while also providing a safety toe release. Fully adjustable tension setting allows foot to release to side in case of fall. Use with any front throw cable. Wt. 1 lb. 15 oz.
K202 ..... **$11.50**



X-COUNTRY RACING BINDING. Swedish made—the standard binding for cross-country use. Should only be used with a cross-country boot. Three widths . . . small, med. wide. Send boot tracing if in doubt. Attachments for boot sole included. Wt. 10 oz./pr.
K203 ..... **$6.25**

1 **ALASKAN TRAIL SHOES.** Designed for faster travel in both forest and open snow areas. Select ash with varnished rawhide. Comes in two sizes.
Size I. For women and light men. 10″ x 48″. Wt. approx. 5½ lbs.
K105 ..... **$33.75**
Size II. For men. 10″ x 56″. Wt. approx. 6 lbs. **K106**.... **$33.75**

2 **BEARPAW SNOWSHOES.** Manufactured by the oldest snowshoe company in the world. Ideal for traversing rugged brush country, forests and frozen swamps. It's the favorite snow-traveler expediter of lumbermen, rangers, hunters, campers and trappers. Ash frame with varnished rawhide webbing. Wt. 3½ lbs. without bindings. Two sizes.
Size 1. For persons under 175 lbs. 14″ x 30″. **K103**.... **$32.00**
Size 2. For persons over 175 lbs. 13″ x 33″. **K104**..... **$32.00**

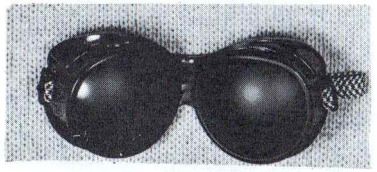
SNOWSHOE BINDINGS. Oiled leather with crossover instep strap. New. Will take any size boot. Wt.: 9 oz. **K107**..... **Pair $4.25**

3 **STANDARD SIZE SNOW SHOVEL.** Supplements the ice-axe for high mountaineering in regions of heavy snowfall. Able to take heavy use routinely. Essential for construction of snow-caves, tent platforms, or other snow removal problems. Aluminum blade 11″ x 14″, ash handle 32″ long with steel D-grip. Wt. 2½ lbs.
MA211 ..... **$7.00**

4 **ALUMINUM SNOW SHOVEL.** An important accessory for winter mountaineering—digging snow caves, tent sites, etc. Fitted with detachable handle. Ice axe can double as a handle. Shovel size 8″ x 8″. Handle length 19″. Wt. 1½ lbs. **MA209**..... **$3.95**

CROSS COUNTRY WAXES. Famous SWIX brand. Small metal "peel-back" tubes 2½″ high x 1⅜″ dia. Apply by hand and rub to uniform thickness. Three temperature ranges: **K130**
SWIX red. Moist new snow. 2 oz..... **$ .60**
SWIX blue-red. New snow around 32F. 2 oz..... **.60**
SWIX blue. New snow 14-32F. 2 oz..... **.60**
SWIX green. New cold snow below 20F. 2 oz..... **.60**

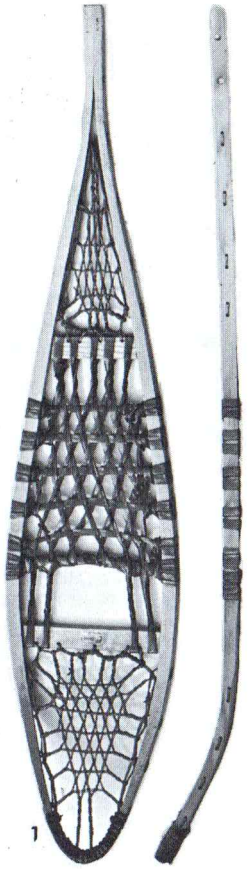
SWIX SQUEEZE TUBE WAXES. Two types. For easy application. **K131**
Klister Vat Sno. Mush and wet snow. 3½ oz..... **$ .75**
Klister Skare. Crust and coarse-grained snow.
3½ oz. ..... **$ .75**

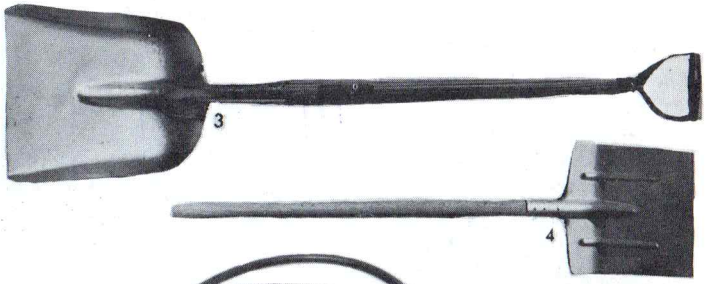


NORSKI GOGGLE. Extra large curved plastic lenses mounted in a cushioned plastic frame. Ventilation eliminates temperature distortion. Comes with two sets of lenses, dark and yellow. Elastic head band will fit over glasses. Choice of frame color, black or white. Wt. 2 oz. **ME100**..... **$4.50**

AVALANCHE CORD. Red perlon cord marked at 2 meter intervals. 17 meters (56 feet) long. Wt. 3 oz. **K500**..... **$1.50**

IDENT I SKI LOCK. Precision made combination lock. Lock ends are joined by 32″ length steel wire, vinyl covered. Wt. 2½ oz.
E508 ..... **$4.50**



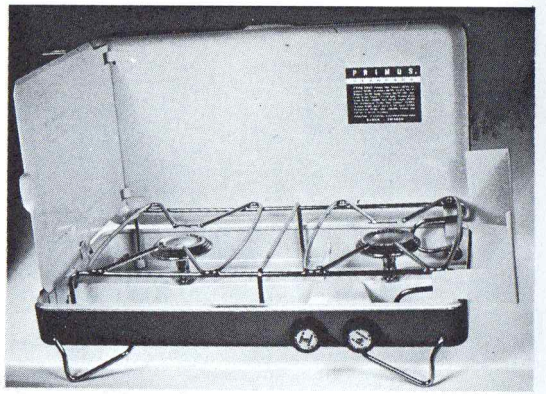


SIGG TOURIST. A light camp stove set, larger than Sigg Cooker. Designed for use with SVEA stove. Set consists of one casserole of 2½ pt. capacity; one casserole of 3½ pt. capacity; one lid pan; one upper and lower wind guard; one pot holder; one strap and one SVEA gasoline stove. Stove nests inside pots. Nested size 8¼″ dia. x 4¾″ high.
Wt. 2½ lbs. . . . . **U733**. . **$16.50**
Sigg Tourist without SVEA stove
U732. . **$ 8.75**

SIGG COOKER. Smallest and lightest gasoline cooking set available. Consists of two aluminum pots, lid which doubles as a pan, pot holder, two windshields which provide high cooking efficiency. The Borde stove is extremely lightweight and efficient.
The pot unit nests into a compact size kept secure with a strap. Pot size is 7″ diameter x 3½″ high. 1¾ pint capacity. Wt. complete: 1 lb. 8 oz. **U723**. . **$16.50**
Cooker without Borde stove.
U722. . **$ 8.95**

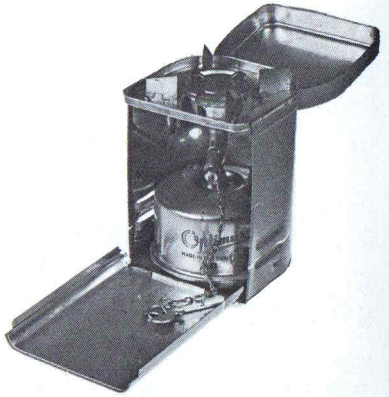
BLEUET BUTANE STOVE. This compact French stove is a delight to own. Uses an easily insertable, disposable cartridge for fuel supply. Regulating valve for heat control. One cartridge will burn for 2½ to 3 hours at maximum flame. Frustrations of priming, pumping and filling are gone . . . just crack the valve and light. Lightweight too . . . 1 lb. 9 oz. with full-cartridge. 8½″ x 3½″, stove w/one cartridge. **U710** **$8.00**
Windscreen. 2 oz. **U710/w**. . . . . **85¢**

EXTRA BUTANE CARTRIDGES FOR ABOVE STOVE AND LANTERN.
11 oz. ea. . . . . **U711**. . . . . **69¢**
Box of 6 . . . . . **U712**. **$3.98**
Butaine cartridges may not be shipped by Air Mail



PRIMUS 2063 TWO-BURNER. An ideal instant lighting car camping stove. Will burn approximately four hours on one 14 oz. disposable propane bottle. Boils one qt. of water in 6 minutes. Folded size 17″ x 2″ x 13″. Wt. 9½ lbs.
U713 . . . . . **$21.50**

PHOEBUS 625. Compact and versatile, this stove is rated to boil one qt. of water in 4 minutes. Burns white gas but regular gas may be used if the cooking area is properly ventilated. Can be preheated with alcohol, gasoline or solid fire tablets. Burns 1½ hours on one pint of fuel. Packed in a 5″ x 7½″ metal box. Wt. 1½ lbs. **U707**. **$13.95**



PRIMUS 71L. This small, compact, lightweight Primus is contained in a neat metal container which also serves as a stand to hold cooking pots. The stove burns white gas with hot blue flame and no pumping is necessary. ½ pint burns approximately 1½ hours. Folded size 3¾″ x 5¼″. 1 lb. 3 oz. **U701**. . **$9.95**

PRIMUS 96L. Burns kerosene. Primes with alcohol for instant lighting. Rated to boil one qt. water in 7 minutes. Burns 2 hours on ½ pt. filling. Complete with primer can, windshield, wrench and cleaners. Has pump. Packed in metal box, size 4¾″ x 5¾″ x 3″. Collapsible. Very stable for large pots. Wt. 1⅞ lbs.
U702 . . . . . **$12.95**

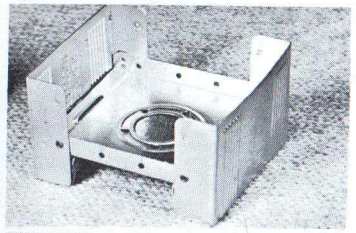
SVEA COOKER. A practical and handy stove from Sweden, just the right size to pack into an ordinary rucksack pocket. This very efficient cooker has a windscreen which also serves as a stand for the small pot included with the set. Burns white gasoline; capacity ⅓ pint which burns about 45 minutes. No pumping; equipped with safety valve. For the combination of heat output, efficiency and light weight, this stove is highly recommended. Packed size 5″ x 3¾″ diameter. Wt. 1 lb. 2 oz. **U703**. . . **$8.95**

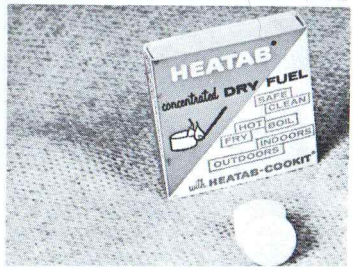
OPTIMUS 8RF. Low-profile stove gives stable base to pots, burns ⅓ pt. white gas in 1¼ hrs. No pumping required—stove generates its own pressure. Fitted with safety valve and self-cleaning orifice. Brass tank and japanned steel box. Large knurled control knob is very easy to adjust. Wt. 1 lb. 9 oz. Case measures 5″ x 5″ x 3″. **U714**. **$12.00**

COMPARATIVE CAMPSTOVE CHART

Model	Fuel	Capacity	Burning Time	Wt. of Stove	Boils Qt. Water in:
Svea 123	White gas	⅓ pt.	90 min.	1 lb. 2 oz.	6-7 min.
Primus 71L	White gas	½ pt.	90 min.	1 lb. 3 oz.	7-8 min.
Primus 96L	Kerosene	½ pt.	120 min.	1 lb. 14 oz.	6-7 min.
Primus 2063	Cartridge	cart.	3-4 hrs.	9½ lbs.	6-7 min.
Phoebus 625	White gas	1 pt.	90 min.	1 lb. 8 oz.	4-5 min.
Optimus 8RF	White gas	⅓ pt.	75 min.	1 lb. 9 oz.	6-7 min.
Bluet	Butane	cart.	180 min.	14 oz.	8-9 min.
Borde	White gas	¼ pt.	35 min.	9 oz.	7-8 min.

NOTE: For further discussion of campstoves and fuels, consult Buyer's Guide section.

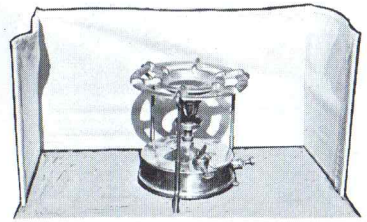




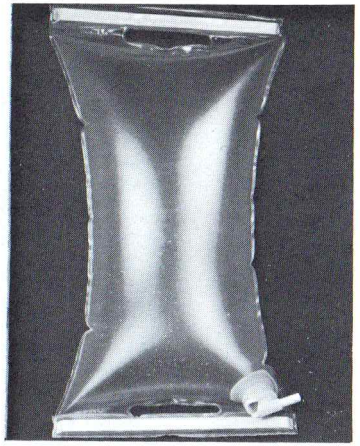
HEAT TAB STOVE WITH HEAT TABS: Emergency heat for quick warm-ups. Complete with box of fuel. Wt. 6 oz.
U716 ..... **$1.75**

HEATABS: Simple to use, just light with match. Box with sufficient tabs for 2 hrs. heat. Useful for starting fires and priming stoves. Wt. 2½ oz.
U717.... **60¢**
Box with sufficient tabs for 4 hrs. heat. Wt. 6½ oz. ..... **U718**.... **95¢**

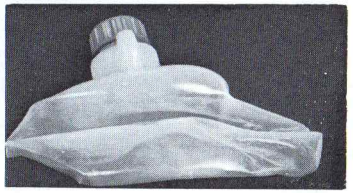
ALCOHOL STOVE. An excellent little stove for making a cup of tea or soup on the trail. 3¾" dia. x 2" high. 3 oz.
U715 ..... **$1.75**



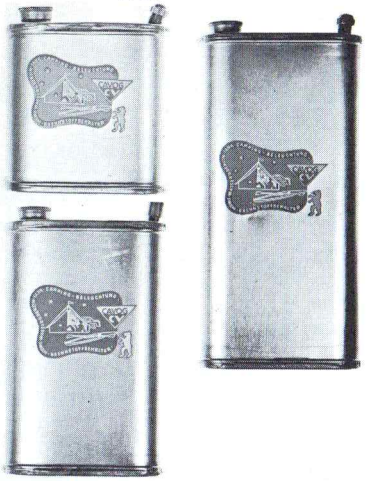
STOVE WINDSCREEN. Made of fire resistant cloth, sewn to alloy ribs which push into the ground. Increases cooking efficiency, especially in windy sites. 16" wide, 9" deep. Wt. 3 oz. **U750**...**$2.25**



COLLAPSIBLE WATER BAG. Thick, flexible vinyl container holds 11 quarts. Rolls up to 1" x 1½". Removable spigot at bottom. Handles at both ends. Convenient water supply for an evening's cooking. Wt. 7 oz. **U662** **$3.50**



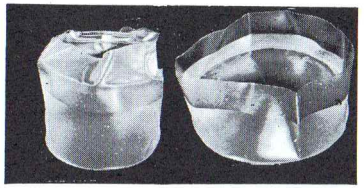
COLLAPSIBLE PLASTIC BOTTLE. When filled with liquid will stand upright. May be collapsed when empty. Leakproof plastic screw cap. Capacity 5 qt. Wt. 5 oz. **U655** **$1.25**



FUEL CONTAINERS. Tin alloy, leakproof, non-corrosive, flat type containers. Small brass pouring spout and brass filler cap. Built in filtering mesh screen. Made in West Germany. Three sizes:
Large (1 qt.; 4" x 1¾" x 9½")
Wt. 6½ oz. **U622**.....**$1.95**
Regular (1½ pint; 4" x 1¾" x 7")
Wt. 5½ oz. **U621**.....**$1.75**
Small (1 pint; 4" x 1¾" x 4½")
Wt. 4½ oz. **U620**.....**$1.65**

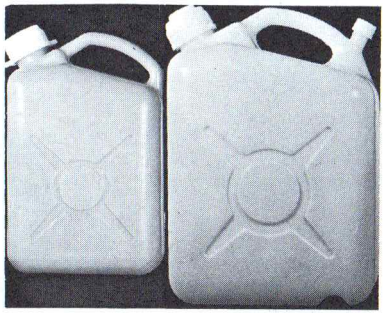
PLASTIC BOTTLE WITH ATTACHED CAP. Made in Austria of non-breakable, soft polyethylene. The vertical corrugations on the front and back of this eight sided bottle give strength. The non-losable plug type stopper and the screw cap effectively seals bottle against leakage. Three sizes:

1 Qt. Wt. 3½ oz.	**U632**.....	**$1.25**
1½ Pt. Wt. 3 oz.	**U631**.....	**95¢**
1 Pt. Wt. 2½ oz.	**U630**.....	**75¢**



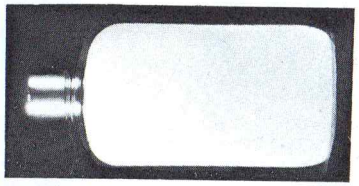
PLASTIC WATER BUCKET. Made of heavy, gauge Vinylite plastic. Has handle. Aqua color. Size is 7½" dia. x 8" height. Wt. 3½ oz. **U661** **$1.00**

PLASTIC WASH BASIN: Made of heavy gauge Vinylite plastic. Size 10" dia. x 4½" high. Wt. 4¼ oz. **U660**...**$1.00**

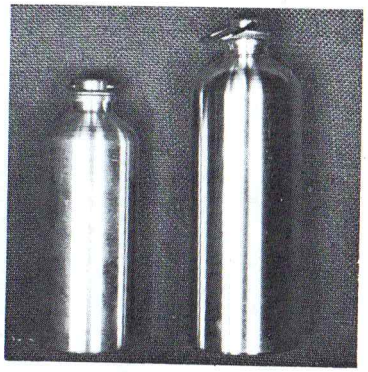


PLASTIC JERRY CANS. A really tough, lightweight container that is crushproof, unsinkable and non-corrosive. Made of Scepterene, which will handle either water, gasoline, oils ,or any problem liquid. Comes with spout. Red, Yellow, White ... (colors as available).

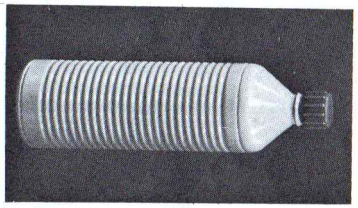
1 Gal. Wt. 17 oz. ..	**U691**....	**$1.95**
2½ Gal. Wt. 1 lb., 6 oz.	**U692**....	**2.95**
5 Gal. Wt. 3 lbs., 3 oz.	**U695**....	**4.95**



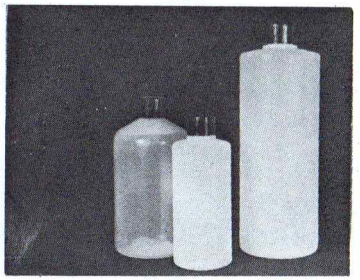
PLASTIC FLASK. Unbreakable. Translucent frosted finish. Shaped to fit hip. Two screw caps; inner one of plastic; outer one of metal which holds 1 fl. oz. Capacity of flask 10 fl. oz. Wt. 2½ oz.
U643 ..... **$1.00**



ALUMINUM BOTTLES. Leakproof and non-corrosive. In Red, Blue, and Gold. For fruit juices and other beverages: Imparts no taste. State color choice.
Pint Size: **U610** Wt. 3 oz..... **$2.50**
Quart Size: **U612** Wt. 5 oz..... **$2.75**
Non-Anodized. Less expensive. Good fuel bottle.
Pint Size: . **U600** Wt. 3 oz..... **$1.75**
Quart Size: **U602** Wt. 5 oz..... **$1.95**

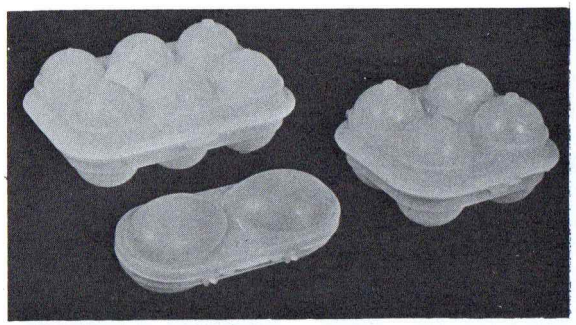


PLASTIC PROFILE BOTTLE. Non-breakable, soft polyethylene. Corrugated for side wall strength. 3" dia. x 10" high. 1 liter capacity (approx. 1 qt.) Wt. 2¼ oz.
U639 ..... **50¢**

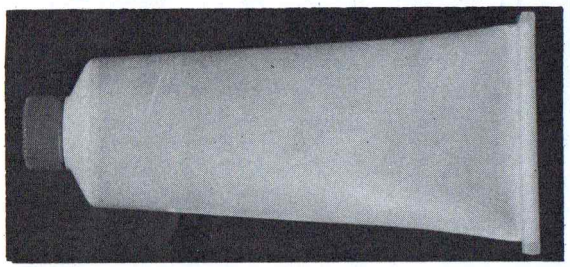


POLYETHYLENE BOTTLES. Unbreakable. Lightweight. These bottles are excellent for carrying liquids, including water, cooking oils, syrups, etc.

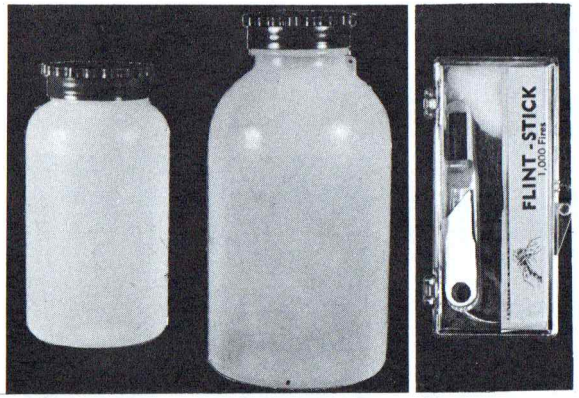
Quart: Wt. 4½ oz.	**U643**.....	**75¢**
Pint: Wt. 3 oz.	**U641**.....	**60¢**
Half Pint: Wt. ½ oz.	**U640**.....	**35¢**



PLASTIC EGG BOXES. We consider these to be a bit better than the aluminum "eggers" we carried previously. They won't dent or crush and cost ⅓ as much. Avg. wt. 4 oz.
For 2 eggs. U802.... 35¢ **For 4 eggs. U804.... 49¢**
For 6 eggs. U806.... 89¢ **For 12 eggs. U812....$1.25**

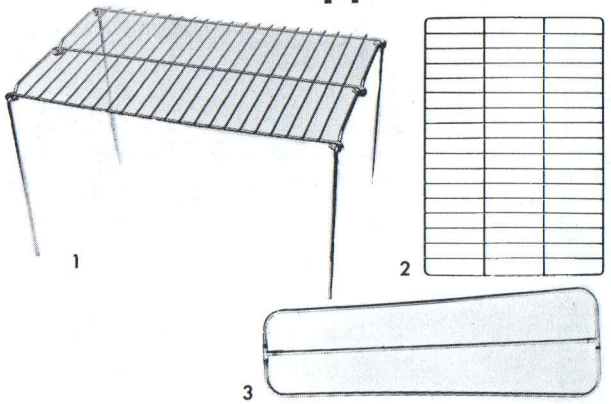


POLY-SQUEEZE TUBE. Solves the packaging problem for hard-to-carry foods: Jams, margarine, honey, peanut butter, etc. Refillable by disengaging the clip at the end. Eggs can be broken into the open tube; yolks will usually remain intact for quick and easy fried eggs in the morning. Wt. ½ oz. **U638.....ea. 30¢**
3 for .....**85¢** **extra clips ... .3/20¢**



POLYETHYLENE WIDE MOUTH BOTTLES. Non-breakable bottles having a large diameter opening and a polyethylene gasket sealed screw lid. The large opening permits packing of bulky items. Available in two sizes: Quart: Wt. 3 oz. .....**U651.....95¢**
Pint: Wt. 2¼ oz. .....**U650.....60¢**

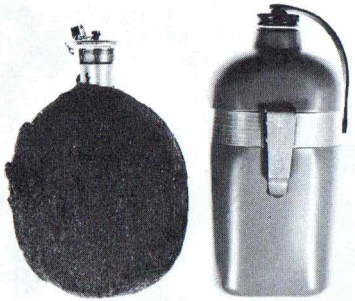
FLINT STICK. Gives off a high-temperature, fat spark that will ignite flammable gases and liquids or tinder. Comes in kit with flint, striker, tinder, and key-ring. The size of a house key but it could save your life. Weighs less than 1 oz. **E504.....98¢**



1 **WIRE GRILL.** For cooking over campfire. Steel. Legs fold flat. Size 11" x 17" x 11" high. Weight 2 lbs. **U503.....$1.95**

2 **WIRE GRILL.** Simple, lightweight platform type grill without legs. Nickel plated. Size 9" x 13". Wt. 5 oz. **U502.....$1.75**

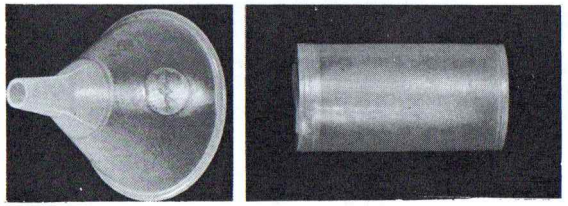
3 **BACKPACKER GRILL.** An extremely lightweight, useful and adaptable grill, made of stainless steel tubes brazed together. Has room enough for two pots on its 4½" x 15½" cooking surface. Fits anywhere for cooking purposes. Includes lightweight fabric case. Weighs only 3 oz. **U501.....$4.95**



ALUMINUM CANTEENS. Fitted with chain and snap hook welded on neck. Felt cover. Three sizes:

	U615	U616	U617
Capacity in pints.....	1	1½	2
Weight in ounces.....	5	7	11
Price	$3.95	$4.75	$5.25

PLASTIC CANTEEN. The lightest of its type. All plastic; twist on cover; attached cap; belt clip. Holds 1 quart. Wt. 1½.
U618 ..... $1.95



PLASTIC FUNNEL: Lightweight funnel of polyethylene. Fitted with screen mesh to filter gas for camp equipment. Wt. ¼ oz.
U911 .....35¢
POLY VIALS. Small polyethylene vials having hinged lids which can be snapped shut. Most convenient way to carry bobby pins, pills, safety pins, etc. Size: 1⅛" dia. x 2". ¼ oz. **U891 ....2 for 25¢**

ALUMINUM PROVISION BOX. Comes with plastic container and hermetically sealing inside cover. This box offers the best way to pack butter, jams, condiments. Plastic insert is light and odorless. Plain finish.

	Diameter	Depth	Wt.	Price
U835	3½"	2"	2 oz.	$1.25
U840	4"	2¼"	3 oz.	$1.50
U847	4¾"	2¼"	4½ oz.	$1.75
U855	5½"	2½"	7 oz.	$2.50

REFLECTOR OVEN. Reflector walls made of reflective aluminum; baking tray of light sheet steel for heat retention. The open ends reduce weight but do not impair baking efficiency. Quick, stable assembly. Oven can be moved without collapsing. For baking and roasting. Mountain tested. Tray size 10" x 12". Oven folds to 12" x 14¾". Wt. 1 lb. 14 oz. **U501.....$7.95**

TWO MAN MOUNTAIN COOKSET. A strong and compact set consisting of two aluminum pots with bail handles, and a steel frying pan with a stout handle that folds flat to the side. Just large enough to nest a Primus 71L inside. This classic becomes harder to get every year. 8″ diam., 4″ high. Weight: 23 oz.
U310 ..... **$5.95**

SAFARI ONE-MAN COOKSET. Spun aluminum from West Germany. Includes 8″ deep plate, 7″ fry pan, 2½″ x 6¼″ dia. pot with lid, large fork-spoon combination, spring pot gripper and plastic cup. Packs into neat unit 2½″ x 8″ diameter. Exceptionally lightweight and an excellent value. Wt. 17½ oz. **U301** **$3.75**

KNIFE FORK SPOON SET. British import. All aluminum except for knife blade which is Sheffield stainless steel. Clip holds utensils firmly together. 3½ oz. **U403** **$1.50**

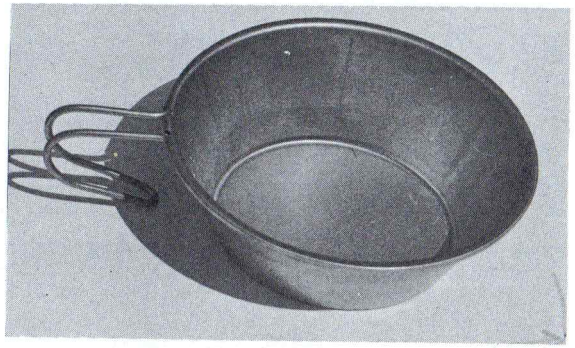
SPATULA. Ever wish you had a small spatula in your cooking gear? One that was rustproof, light, compact, and that would not break or fall apart the first time you used it? Well this is it. Spring stainless steel blade that is set into a hardwood handle with brass rivets. Two sizes.
#1 Blade 2″ x 2¾″ 7″ overall. Wt. 1½ oz. **U901** **$1.50**
#2 Blade 2″ x 4″ 9¾″ overall. Wt. 2½ oz. **U902** **$2.00**

ALUMINUM DEEP PLATE. Made of hardened aluminum. All corners fully rounded. Top edge has a rolled welt. 8 inch diameter. Wt. 2¾ oz. **U401** ..... **85¢**

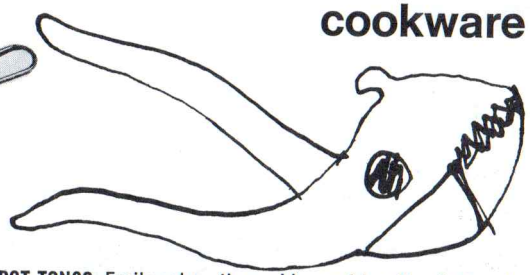
STEEL FRY PAN WITH DETACHABLE HANDLE. A sheet steel fabricated fry pan that will hold its shape longer and make frying much easier than aluminum. 8¾″ dia., 13 oz. **$2.25**
9¾″ dia., 15 oz. **U130** **$2.50**

ALUMINUM SCOUT KETTLES. Swiss made nesting kettles of first-quality workmanship. Securely fastened bail handles which lock into upright position. The lid of each kettle also serves as plate or pan.

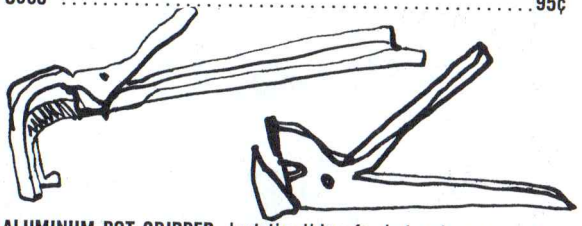
	Capacity	Diameter	Weight	Price
U016	2½ Pt.	6¼″	9 oz.	$3.50
U018	3½ Pt.	7¼″	11 oz.	$3.75
U020	5¼ Pt.	8″	15 oz.	$4.75
U022	7 Pt.	8¾″	17 oz.	$5.50
U024	8¾ Pt.	9¾″	20 oz.	$5.95



SIERRA CLUB STAINLESS STEEL CUP. Stainless steel is far superior to other metals because it is less prone to heat up when filled with hot liquids. The open end steel wire handle remains cool and can be hooked easily onto belt. Multi-purpose design for holding stewed fruits, cereals, etc. as well as beverages. 4½″ diameter at top, 3⅛″ at base, 1½″ deep. Wt. 3 oz. **U400** **$1.00**

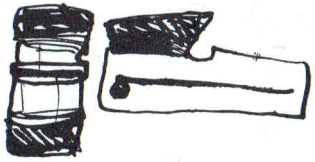


HOT POT TONGS. Easily solves the problems of handling hot cooking gear. All aluminum construction makes it lightweight and rust-proof. Has hook for lifting pots. Weighs only 4 oz.
U905 ..... **95¢**



ALUMINUM POT GRIPPER. Just the thing for hot pots, pans, cans, etc. Automatic release. 4¾″ long. Weight 1¼ oz. **U906** .... **55¢**

POT GRIPPER. Made of lightweight pressed steel. Spring-loaded grip stays secure. Better for very heavy pots than the aluminum model. Handle is 6″ long. Weight 3½ oz. **U907** ..... **60¢**



HANDY OPENER. Folding opener for all cans, one of the noblest products of the U.S. Army. Tiny, lightweight, efficient. When carried on keychain, it's always ready, doubles as screwdriver and pries off lids. Weight ⅛ oz. **U910** ..... **2/25¢**

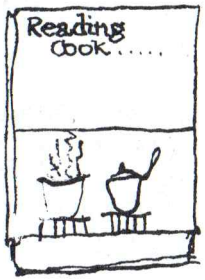
TOKYO TOP SALT AND PEPPER SHAKER. From Japan. Plastic container having compartment on one end for salt and compartment on other end for pepper. Plastic caps screw over holes to seal shaker. Size 1¼″ dia. x 2¾″ long. Wt. 1 oz. **U807** ..... **75¢**

related readings

SKILLS FOR TAMING THE WILDS by Bradford Angier. A handbook of woodcraft wisdom for the camper, hunter, fisherman, hiker **$6.95**

CAMPING AND WOODCRAFT, by Horace Kephart. An encyclopedia of living in the open. An invaluable guide for the novice as well as the experienced woodsman. 884 pages **$6.95**

HOME IN YOUR PACK. By Brad Angier. The old woodsman himself shows you where to go on backpack trips; what to take, how to cook, sleep, and stay comfortable. Very up-to-date, featuring the latest developments in pack gear. 192 pp., Pub. in 1965. ..... **$4.50**



Trailwise foods are indicated by the symbol (T). Seidel trail packets are indicated by the symbol (S).

BEVERAGES

SWISS PEPPERMINT TEA. 2 instant tea cubes per package. Delightful refreshment for cool evenings. Two packages.....**F609 25¢**

LEMON POWDER (T). Use ¼ oz. per serving.....**F007.** 6 oz. **65¢**

WYLER'S FRUIT-ADE MIXES. Packaged in aluminum foil. Complete with sugar. Add 1 quart water to package. Flavors: Strawberry, Cherry, Grape, Orange, Lemonade, Pineapple-Grapefruit. Subject to 4% sales tax. **F512** .....**2 for 25¢**

NESTLE INSTANT COCOA. Contains milk, sugar. Just add hot water. Each package makes one large cup. **Per dozen**.....**F534 65¢**

INSTANT COFFEE. Just add hot water. Each package makes one large cup. Per dozen.....**F535 65¢**

WHOLE MILK. Powdered. Grade A with high butterfat content.
1 lb. tin makes 16 cups.....**F705 $1.05**
4 lb. tin makes 20 quarts.....**F706 $3.75**

KRAFT WHOLE MILK SUPER INSTANT CRYSTALS. Made from fresh, pasteurized, homogenized whole milk with added lecithin and vitamin D. Instant blend by just adding hot water to the crystals. 1 lb. of crystals will make 1 gal. of milk. Two sizes:
1 lb. pkg.....**F707 $1.20**
5 lb. pkg.....**F708 $5.75**

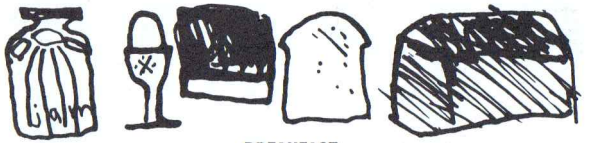
INSTANT ORANGE JUICE CRYSTALS (K). Prepared from the whole juices of California oranges. Reconstitute by adding water. Contains Vitamin C. No refrigeration necessary.
Regular 4 oz. packet (makes 1 quart).....**F408 $ .66**
Large 8 oz. packet (makes 2 quarts).....**F409 1.20**

FRUIT JUICE CRYSTALS. Prepared from the whole juices of citrus fruit. Outstanding fresh fruit flavor. Reconstitute by adding water only. No refrigeration necessary.
Grapefruit Juice. Makes 1 gallon, 1 lb. can.....**F518 $2.25**
Orange Juice. Makes 1 gallon. 1 lb. can.....**F519 $3.25**

FRUITS

TRAILWISE FRUITS retain flavor and texture indefinitely. Fruits are equally delicious if eaten directly from the package or if reconstituted for cooking or for desserts. 1-1½ oz. per serving.
Apple Sauce Nuggets (T).....**F001** 6 oz. **75¢**
Apricot Slices (T).....**F002** 6 oz. **99¢**
Date Nuggets (T).....**F003** 6 oz. **50¢**
Fruit Cocktail Mix (T).....**F004** 6 oz. **82¢**
Peach Slices (T).....**F005** 6 oz. **77¢**
Pear Slices (T).....**F006** 6 oz. **75¢**

DRIED FRUITS IN TINS. Highest quality dehydrated fruits. For your own repacking or for larger parties. Weights are net.
Apples (T) 1½ lb. tin.....**F510 $3.52**
Apricots (T) 2¾ lb. tin.....**F511 $6.00**
Dates (T) 3 lb. tin.....**F512 $2.75**
Fruit Galaxy (T) 2¾ lb. tin.....**F513 $4.66**
Peach Slices (T) 1¾ lb. tin.....**F514 $3.61**



BREAKFAST

Corn Bread Mix (S).....Net wt. 16 oz. **F110 59¢**
Ginger Bread Mix (S).....Net wt. 8 oz. **F115 48¢**
Hot Biscuit Mix (S).....Net wt. 14 oz. **F114 52¢**
Jiffy Hot Cereal (S).....Net wt. 6½ oz. **F111 38¢**
Pancake Syrup Mix (S).....Net wt. 10½ oz. **F112 49¢**
Buttermilk Pancake Mix (S).....Net wt. 13 oz. **F113 53¢**
BUTTER. Creamed. No refrigeration. 1 lb. tin. **F701**.....**$1.75**
Ranch Style Breakfast. Scrambled eggs, sausage patties, and hash brown potatoes. Serves 2. 6½ oz. net. **F207**.....**$2.55**
Scrambled Eggs w/Bacon. 2-3 servings. 2¾ oz.....**F312 $1.45**

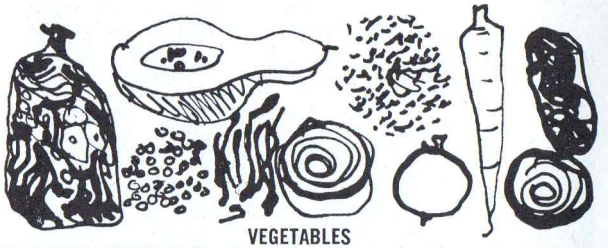
SOURDOUGH STARTER. Make your own sourdough. Keep a small amount from each batch for use in starting the next batch. Makes delicious pancakes. 1½ oz. packet with directions. **F206**....**$1.00**

SOURDOUGH JACK'S COOKERY BOOK. A thoroughly delightful and unusual cookbook that tells the history of sourdough cookery as well as providing tasty and unique recipes. Recipes for breads, cakes, cookies, dressings, muffins, pancakes, waffles, quickbreads, stews, soups, drinks. Sourdough . . . the bread that won the West! Cookbook with pkg. of starter.....**$2.00**

SWISS JAM. Fine quality jams in handy 7 oz. aluminum squeeze tubes. Flavors: Strawberry, Apricot, Raspberry, Black Cherry, Lingonberry. Price per tube **F603**.....**89¢**
Powdered Whole Eggs (T). 8 oz. aluminum foil package; contents equivalent to 18 eggs.....**F020**
Western Omelet (S).....**F123.** 5 oz. **$1.44**

SOUPS

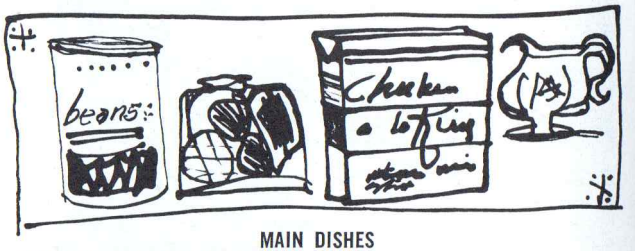
MAGGI SOUPS. Delicious imported Swiss soups. Excellent for either trail or home use. Packaged in aluminum foil envelopes. Each envelope will serve 4-6. Only water needd for preparation. 2½ oz.
Mushroom .....**F501 36¢**
Onion .....**F502 36¢**
Chicken Noodle .....**F503 36¢**
Egg Macaroni Shells .....**F504 36¢**
Spring Vegetable .....**F505 36¢**
Ham with Pea .....**F506 36¢**
Cream of Asparagus .....**F507 36¢**
Oxtail .....**F508 36¢**



VEGETABLES

TRAILWISE VEGETABLES. 95% of moisture has been removed by natural drying processes. Flavor, color and texture retention is excellent. Vegetables will remain dry after package has been opened for several days.
Onion Flakes (T) For general cooking, flavoring.....**F014** 4 oz. **53¢**
Cabbage Flakes (T) 1 oz. per serving.....**F011** 4 oz. **70¢**
Mixed Vegetables.....**F012** 6 oz. **97¢**
Carrot Flakes.....**F013** 6 oz. **60¢**

SEIDEL VEGETABLES. Dried by natural processes; from the same supplier as the Trailwise vegetables. Cooking directions are printed directly on the bags, cannot become lost.
Dry Potato Slices (S) For hash browns.....**F118.** 5 oz. **71¢**
Peas and Carrots (S).....**F119.** 2¼ oz. **92¢**
Carrot Slices (S).....**F120.** 2 oz. **46¢**
Cream Style Corn (S).....**F121.** 3½ oz. **1.01**
Garden Peas (S).....**F122.** 3¼ oz. **94¢**



MAIN DISHES

ARMOUR'S FREEZE-DRIED FOODS.
Beefsteaks. Two delicious, tender steaks. 2 oz. net. **F202**....**$2.35**
Vegetable Beef Dinner. A tasty stew. Serves 4. 6 oz. net. **F204**..**$2.15**
Chicken Stew. Serves 4. 6½ oz. net. **F205**.....**$2.15**
Chili Beans. Beef, beans, and sauce. Serves 4. 8½ oz. net. **F210 $1.65**
Beef Burger Mix. Serves 2. 2½ oz. net. **F211**.....**$1.45**

WILSON'S FREEZE-DRY FOODS.
Pork Chops......2 oz. **F315 $1.40**
Beef Steaks. Two tender, juicy steaks. 2 oz. net.....**F313 $2.08**
10 or more.....ea. **$2.00**

SEIDEL TRAIL PACKETS. Each package contains 4 servings.
Beef Hash. Net wt. 8 oz.....**F101 $1.89**
Boston Baked Beans in Sauce. Net wt. 12 oz.....**F102 .75**
Chicken a la King. Net wt. 7¾ oz.....**F103 1.70**
Chili Beans in Sauce. Net wt. 11 oz.....**F104 .75**
Macaroni Dinner with Cheese. Net wt. 8¾ oz.....**F105 .70**
Spaghetti with Tomato Sauce. Net wt. 7 oz.....**F106 .78**
Tomato Rice Mulligan Dinner. Net wt. 8½ oz.....**F107 .71**
Veg-a-Rice Dinner. Net wt. 8 oz.....**F108 .65**
Chicken Noodle Dinner. Net wt. 9½ oz.....**F124 1.70**
Beef 'N Gravy w/Noodles. Net wt. 10 oz.....**F125 1.80**

MEATS

BEEF JERKY. Concentrated beef. Each pound is equivalent to approximately 3½ lbs. of fresh beef.
F542/2 2 oz. package ..... **.79**
F542/4 4 oz. package **1.50**
F452/8 8 oz. package **2.95**
F542/16 16 oz. package **5.75**

MEAT BAR. 3 oz. bar, 513 calories; each bar equals one pound of raw meat. Fully cooked. Fats 45%, protein 47½%, moisture 6%. Packed in aluminum foil. Each **F301 $1.45**
10 or more: ea. 1.35

SWIFT'S PRE-FRIED BACON. 18 to 20 slices of fresh bacon with ⅔ of the lard cooked off. No refrigeration required. Equal to 1 lb. of uncooked bacon. Net wt. 6¼ oz. **F545 $1.50**

BACON BAR. 3 oz. bar equals one pound cooked bacon. Packed in aluminum foil. Each **F302 $1.18**
10 or more: ea. 1.10

WILSON'S FREEZE-DRIED MEAT. Meat is frozen, then dehydrated in vacuum. When reconstituted, meat possesses nearly perfect flavor and texture. Reconstituted weight is about 3 times dry weight.
Beef Meat Balls. Seasoned, 2 oz. net weight. Each tin contains 25 meatballs. 4 oz. tins each **F303 $1.12**
In purchase of 10 or more tins, each tin **$1.07**
Beef Patties. 1.6 oz. net weight. Each tin contains 2 patties. Each 4 oz. tin **F304 $1.07**
In purchase of 10 or more tins, each tin **$1.02**
Pork Patties. 1.4 oz. net weight. Each tin contains 2 patties. Each 4 oz. tin **F305 $1.01**
In purchase of 10 or more tins, each tin ..... **$ .96**
Ham Cubes. 1 oz. net wt. Each 3 oz. tin ..... **F306 $ .64**
In purchase of 10 or more tins, each tin ..... **$ .60**

SWISS FONDUE. Heat and serve. Contains Swiss and Gruyere cheese, wine and kirsch. Serves 2 or 3. 14 oz. can **F543 $2.25**

GRAVY QUIK. One small box contains two packets. Each packet serves up to 6 persons. Just add water for rich gravy in just two minutes. 1¾ oz. box ..... **F544 24¢**

SWEETS

SEMI-SWEET CHOCOLATE. Ghirardelli's non-melt type. 8 oz. package. Subject to 4% sales tax ..... **F530 46¢**

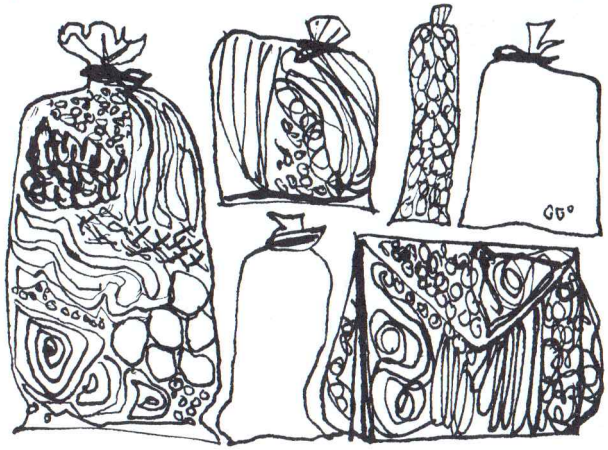
MINT BAR. British import. High energy food. Refreshing mint flavored sugar. 8 oz. bar. Subject to 4% sales tax ..... **F531 40¢**

TEX-SCHMELTZ TRAUBENZUCKER. Delicious Dextrose tablets. Quick energy foodstuff which provides energy faster than other forms of sugar. 2 oz. pkg. of individually wrapped tablets. Lemon flavor contains vitamins B2 and C. Also in chocolate. Each pkg. Subject to 4% sales tax. ..... **F532 25¢**

RUM FUDGE BAR. Imported from England—developed for expeditionary use. 826 calories. Foil wrapped. 7 oz. Subject to 4% sales tax. **F535 $1.35**

BIRCHER MUESLI. A delicious cereal made in Switzerland that contains Oats, Wheat, Millet and three varieties of fruits, and two kinds of nuts. Delicious hot or cold. No cooking. Wgt. 14 oz. ..... **F600 92¢**

RICOLA SWISS HERB CANDY. High-energy, flavorful candy also helps soothe minor throat iritations. Ingredients are sugar, corn syrup, menthol and herb plants. Imported from Switzerland. Wt. 3 oz.
F537 ..... **50¢**



VINYL FOOD BAGS. Sturdy. With tie tape for closure. Size 5" x 11". Wt. 1 oz. ..... **U950 55¢**

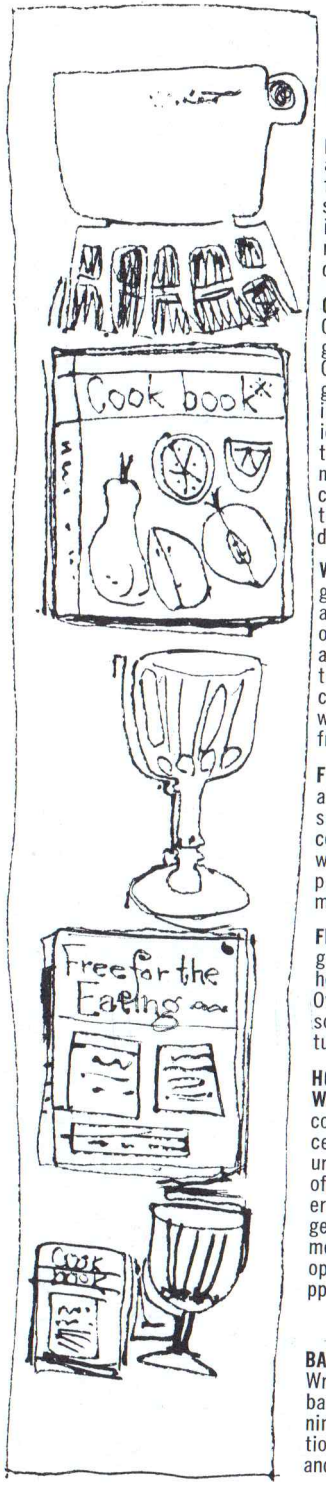
POLYCEL HEAT SEAL BAGS. Very strong, highly resistant to moisture penetration. These bags can be sealed airtight with a warm iron or low heat soldering iron. Envelope type. 7½" x 9½". **U951 40¢/dozen**
6½" x 7" ..... **U952 30¢/dozen**

POLYETHELENE BAGS. Extremely lightweight yet durable. Tear resistant, odorless. Three sizes:

		10 bags	50 bags
2" x 4" x 12"	U962	$ .20	$ .85
3" x 6" x 15"	U965	.30	1.25
4" x 6" x 18"	U968	.45	1.85

PLASTIC FOOD BAGS. Strong polyethylene .003 gauge seamless bags, each with a patented clip for closing air tight. Reusable. Packaged 10 to a bag, making a total of 11 with outside bag. Three sizes:
2" x 4" x 12". Pkg. of 10 plus 1 outside bag **U972 $1.75**
3" x 6" x 15". Pkg. of 10 plus 1 outside bag **U975 $1.95**
4" x 6" x 18". Pkg. of 10 plus 1 outside bag **U978 $2.50**

VEGALENE. A low-fat blend of vegetable oils. Prevents food from sticking to utensils. A boon to campers and backpackers for it is in liquid form, keeps cook-kits clean, requires no refrigeration. In handy squeeze bottle of tough plastic. 4 oz. **F703 $1.00**



related readings

LIVING OFF THE COUNTRY, by Bradford Angier. A simple and entertaining explanation of the principles of living off nature when emergency arises. Four parts—Sustenance, Warmth, Orientation and Safety—divide the woods technique for easy reference. Included are discussions of edible wilderness foods, making fires and shelter, camping and signaling, emergency aid, backwoods medicine. Illustrated **$5.00**

ON YOUR OWN IN THE WILDERNESS, by Col. Townsend Whelan and Bradford Angier. A companion book to "Living off the Country," "On Your Own" is an excellent guide for equipment selection and use in a number of outdoor situations. Topics include outdoor outfits, hiking packs, tents, stoves, tools, footwear, maps and mapping, basic outdoor cookery and a comprehensive discussion of wilderness techniques. Illustrated with photos and drawings. 1958. ..... **$5.00**

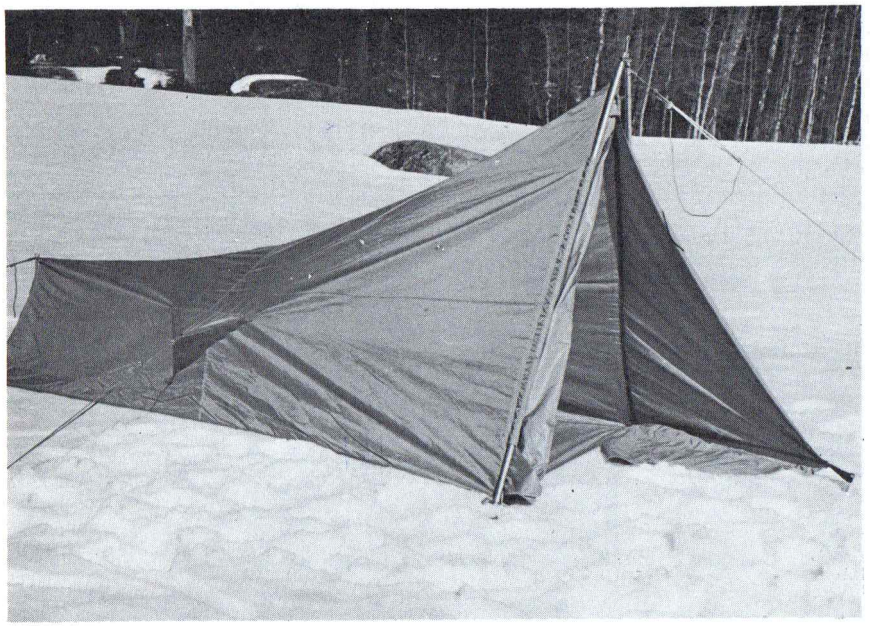
WILDERNESS COOKERY, by Bradford Angier. A new cook book which combines all the good qualities of previous works on outdoor cookery with the knowledge and considerable experience of the author. Gathering, preparing, seasoning, cleaning up; a very large section dealing with 'free eating' lists hundreds of wild fruits and vegetables. 256 pp. **$3.95**

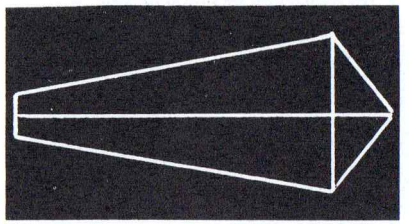
FOOD FOR KNAPSACKERS. By W. Thomas and H. Bunnelle. Whether you are a trail-side gourmet or content with a glue-like concoction in your Sierra Club cup, you will find this little book a boon to menu planning, cooking procedure and equipment choices. 65 pp. Paper. **$1.25**

FREE FOR THE EATING by Bradford Angier. A nature study cookbook showing how to find and feast on 100 wild plants. Over 300 recipes for delicious and wholesome use of wild fruit, greens, roots and tubers, nuts, and beverages **$4.95**

HOW TO LIVE IN THE WOODS ON $10 A WEEK, by Bradford Angier. A detailed account of the author's own highly successful method of living in frontier luxury at almost no cost at all. A great deal of information on preparation and preservation of wilderness foods, 'helps' for getting started, technique of building a mountain cabin—with special note of opportunities in Canada and Alaska. 269 pp. **$5.00**

BACKPACK COOKERY by Ruth Mendenhall. Written by a well-known climber and backpacker, this volume covers planning, purchasing, packing and preparation of backpack foods. Concise, simple and complete. **$1.00**



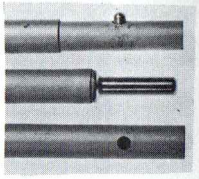


TRAILWISE ONE MAN MOUNTAIN TENT. A small, lightweight tent designed for one person plus gear. The functional design of the front alcove plus tapered foot section provides adequate floor space. Two Nylport flaps cover alcove floor, and can be folded back for cooking space. Floor at front poles is 40″ wide, tapering to 16″ at rear pole, and is made of sewn-in Nylport. Floor length is 6′6″ to angle poles: alcove is an additional 22″ long, and is closed by zipper. 40″ Height. Fabric of tent is orange or green ripstop nylon as available. Complete with front angle poles, rear pole, guy lines and shock rings, 8 pegs and carrying case. Specify first and second color choices when ordering. Wt. 2 lbs. 14 oz.
T105 ..... **$62.50**

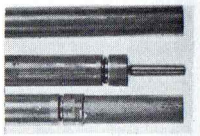
FLY SHEET FOR ONE MAN TENT. Made of waterproof Nylport coated nylon. Will provide complete rain protection. Recommended for use during heavy or prolonged rainy weather. Wt. only 20 oz.
T106 ..... **$18.75**

TRAILWISE TARP TENT. A large 10′ x 12′ tarp that can be used as a ground covering or as a weatherproof shelter as pictured. Fabric is Nylport, a coated nylon fabric that is impervious to water. Shelter provides approximately 7′ x 7½′ of floor space, with 30″ rear wall and 60″ clearance at front peak. 14 grommets are placed at corners and along sides. Setting up may be effected by stringing cord between trees or by using 60″ pole and bough poles at rear. Sealant for coating seams and 25′ nylon cord included. Wt. 3 lbs.
T108 ..... **$29.95**
60″ Aluminum Tent Pole, 6 round wire pegs. Wt. 9 oz. **T108/K** **$3.75**

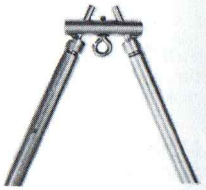
SWISS TENT POLES. These imports from Switzerland have the well-known Swiss quality. Made of alloy aluminum tubing, anodized so that aluminum will not rub off and discolor hand or tent fabric. Spring loaded stud locks one section to another which holds pole firmly as a unit. Three sections each 16½″ long. Pole length for 42″ high tent. Extra sections can be added; each section increases pole length by 14″.
For 42″ pole. Wt. 6 oz. ..... **T301** .. **$3.95**
Extra section 14″. Wt. 2 oz. .. **T302** .. **$1.35**



TRAILWISE UPRIGHT POLES. ⅝″ aluminum tubing. Three sections per pole.
36″. Wt. per pole 4 oz. **T111/36** .. **ea. $2.50**
42″. Wt. per pole 5 oz. **T111/42** .. **ea. 2.75**
48″. Wt. per pole 6 oz. **T111/48** .. **ea. 2.95**
60″. Wt. per pole 7 oz. **T111/60** .. **ea. 3.25**



TRAILWISE ANGLE POLES. ⅝″ O.D. tubing. Brass inserts. Three 16¾″ sections per pole, two poles per set, including removable joint fitting at peak. Weight 14 oz.
T110 ..... **$7.50/set**



TRIANGULAR GUY LINE TIGHTENER. A superior continental type of slider that effectively locks tent or tarp lines. Adjusts easily. 3/16″ dia. holes suitable for parachute cord or lines of similar thickness. Pkg. of 10 for 50¢ or **T201** ..... **6¢ ea.**

POLE BEARING PLATES. Aluminum. For poles up to 1″ in diameter. Weight ½ oz.
T216 ..... **10¢**

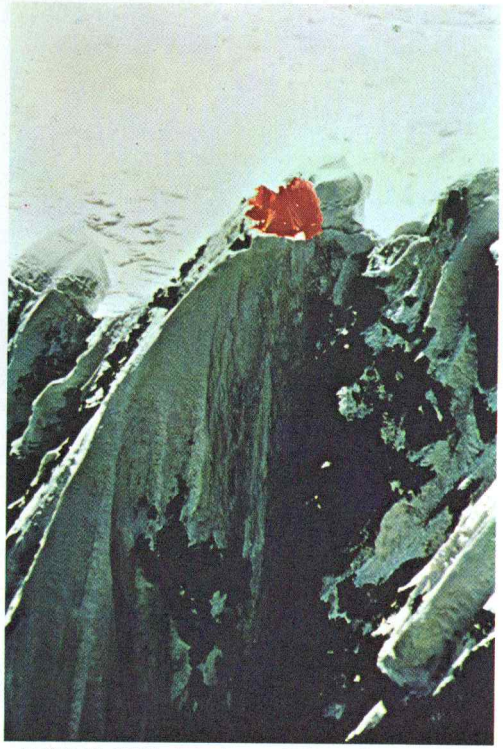
POLE BEARING PLATE. A large 5″ x 7″ aluminum plate having "dished" edges. Will hold poles from ¾″ dia. to 2½″ dia.
T116 ..... **89¢**

related readings

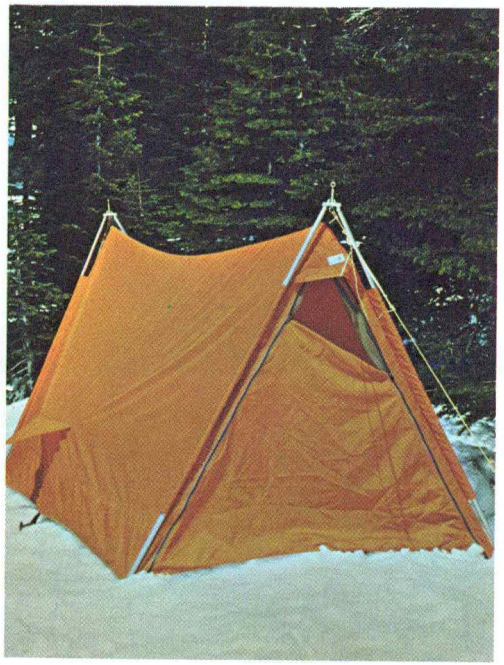
SCRAMBLES AMONGST THE ALPS, by Edward Whymper. Maps, photographs and excellent text on the Alps in one of the great classics of mountaineering literature **$5.00**

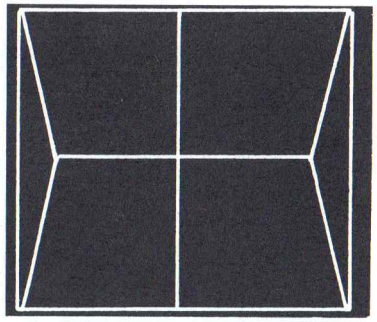
CLIMBER'S GUIDE TO PINNACLES NATIONAL MONUMENT. By Steve Roper, Maps and route descriptions. Long out of print, now republished by Trailwise. Completely revised. **$2.75**

CLIMBER'S GUIDE TO THE SHAWANGUNKS by Art Gran. Maps, route descriptions, and climbing history. Many photographs with routes shown by line and keyed to text. C. 1964. 155 pp. 30 photographs. **$5.00**



McKINLEY TENT pitched on a 60°ice wall on the South Ridge of Mt. Logan (1965).

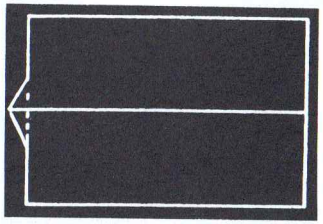




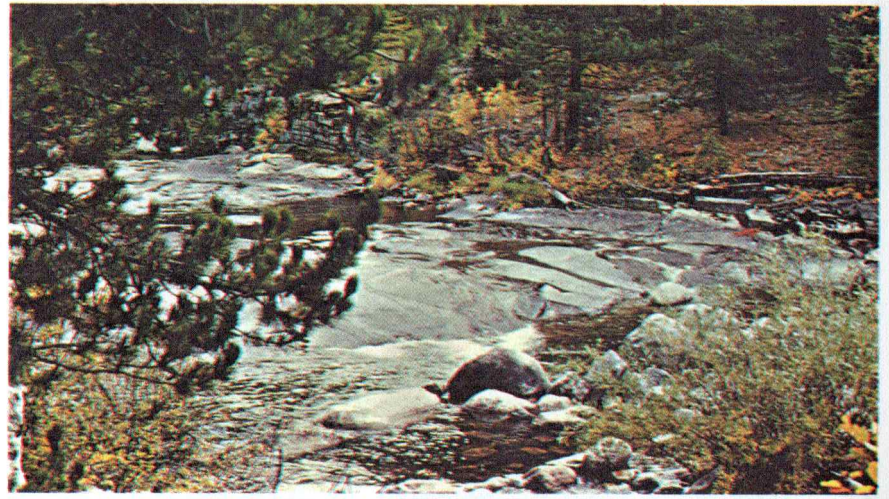
FOUR MAN McKINLEY TENT. This tent displays many features desirable to those requiring a tent for field and expeditionary use. Tent is designed to present a minimum profile to high velocity winds, while also allowing adequate interior space and lightness. There are two entrances: a large zipper door at the front and a tunnel entrance at the rear. Such arrangement allows maximum ventilation when desired and also two tents can be pitched back to back allowing access from one to the other. Fabric is 4-oz. water repellent Cascade Nylon in a Gold-Bronze color. Lower walls faced with waterproof fabric for extra protection. Floor measures 8′ x 7′; tent 7′ wide at doors, and height of tent is 7′. Comes with sectional aluminum pole, base plate, peak vents and waterproof, sewn-in floor. Packed in tent-compressor carrying case with guy lines, shock cords, pegs and patching fabric. Wt. 12 lbs. **T102**.....**$167.50**

FROST LINER. Made of light nylon ripstop. Covers all walls and entrances. Held in place with snaps and tie tapes. Removable. Color is white. Wt. 18 oz. **T102/L** **$45.00**

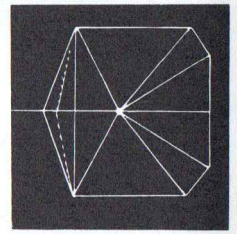
SNOW FLAPS sewn around tent at floor seam. Wt. 10 oz. **T102/F** **$16.00**

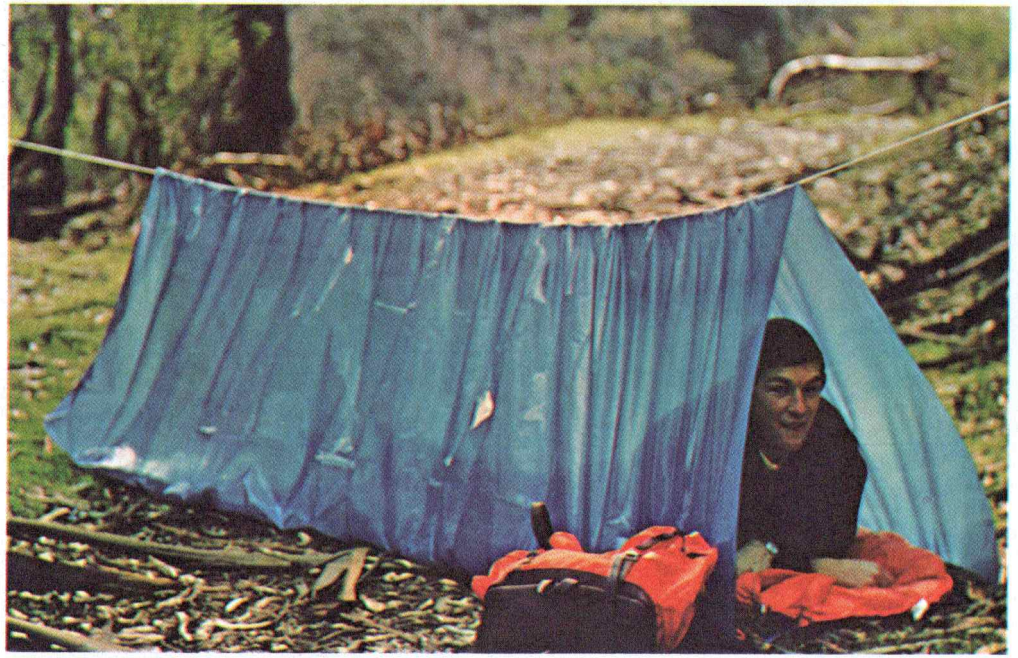


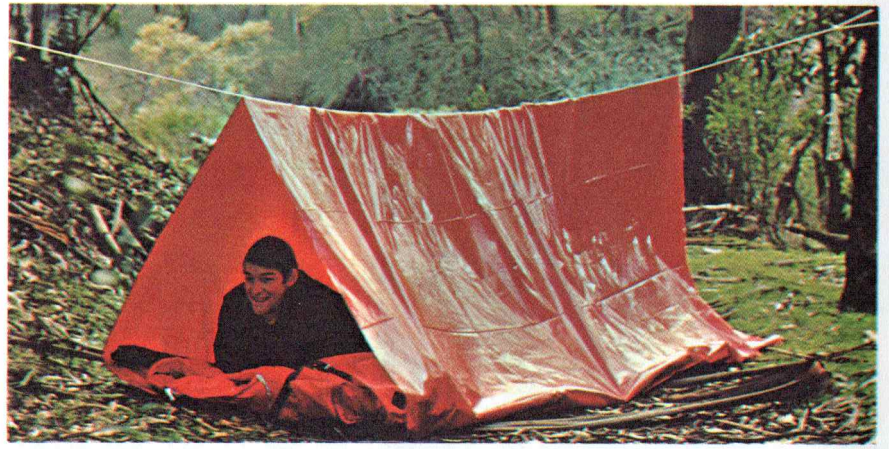
TRAILWISE TWO MAN MOUNTAIN TENT. Lightweight two-man for all seasons, made of durable Ripstop Nylon. Supported at each end by angle poles set in nylon sleeves, this is an exceptionally rigid tent under storm conditions. Floor is 50″ x 80″; peak is 40″ high. Front double zipper closure is insect and weather proof and offers effective ventilation control. Tunnel door on rear panel; mosquito netting door behind front entrance. Fly-sheet provided is necessary in prolonged rainy weather; without fly, rain will eventually "spray" through all lightweight fabrics, nylon or cotton, in spite of water repellent treatment. Tent fabric is orange or green, as available. Fly sheet and sewn-in floor are tan Nylport, a waterproof nylon fabric that will not crack or peel—ever. Tent comes with carrying case, fly-sheet, sectional angle poles of aluminum alloy, elastic shock rings, eight all-purpose pegs. Wt. 7¼ lb. **T103**.....**$104.50**



ITISA SENIOR. Large enough for 2 adults and 2 children. Doors can be closed or pegged out during good weather. Mesh ventilator under shelter hood. Floor is 7′ x 7′. Height is 5′; 12″ walls with 4″ eaves. Tent fabric is fine count Egyptian cotton approximately 3 oz. per square yd. With alloy pegs, stub plate, nesting aluminum center pole and sturdy carrying case. Tan or apple green as available. Wt. 5 lb. 10 oz. . . . . **T401** **$59.50**
Detachable floor of nylon. Wt. 16 oz. . . . . **T402** **$17.50**
Senior tent with sewn-in floor. Wt. 8¼ lbs. **T403** **$83.50**

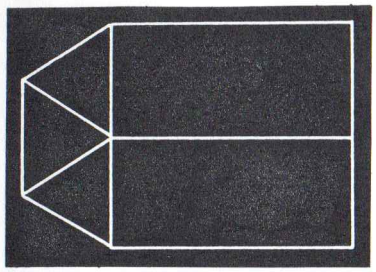


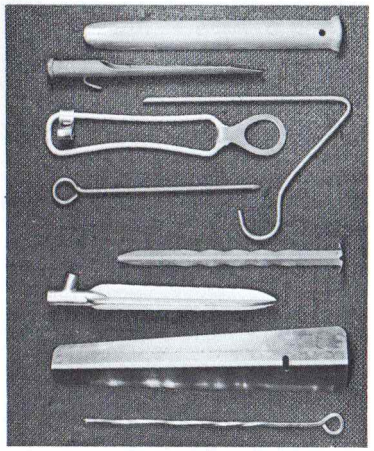




TWO-MAN PLASTIC TUBE TENT. A more companionable version of the one-man tent above. Expedient, expendable and cheap. 4 mil poly tubing. Circumference is 12′; length, 9′ 7″. Wt. 33 oz. Colors: Orange or bright blue. Two grommet tabs included.
T109/2 . . . . . **$3.50**

ONE-MAN PLASTIC TUBE TENT. A lightweight and useful emergency shelter made of 3 mil polyethelene tubing. Tube is 8′ in circumference and the length of the tent is 9′ 7″. Can be erected quickly into a tent with floor by simply inserting rope to form ridge. Two grommet tabs included. Body weight anchors tent. Colors: Orange, black or bright blue. **T109/1** **$2.50**



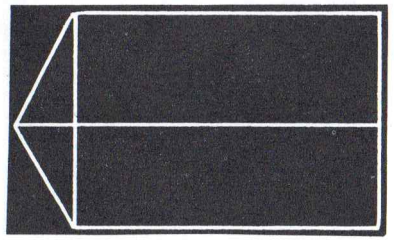


related readings

HOW TO SURVIVE ON LAND AND SEA, by Craighead. Text, photographs and line drawings. Survival techniques; wild plant and animal food, orientation, shelter, hazards. 366 pp. Revised ed. **$4.50**

ALL ABOUT CAMPING, by W. R. Merill. Very complete; covers snow and desert camping, foods, rescue, equipment. Information on National Parks and wilderness areas. 392 pp. Illus. **$4.95**

NOT MAN APART. Text by Robinson Jeffers; photographs by Edward Weston, and Ansel Adams. Combining the work of a poet and photographers who have been inspired by the Carmel-Big Sur area of the California coast, this book is an eloquent statement of the interdependence of Man and his natural environment. 96 plates (32 in color) 168 pp. **$25.00**



FRENCH JAMET PCA 15. Transformable tent. This tent when used with the fly cover in a conventional manner is roomy enough for three persons: height 58″. Floor 5′10″ wide x 6′ x 6″ long with vestibule extension in rear of 2′7″. 13″ wall gives more effective floor space. Waterproof floor. Insect proof mosquito netting door with zipper closure. Outside door is also closed with zipper. Both tent and fly cover are made of finely woven water repellant cotton that gives noteworthy protection against severe weather. **Transformable feature.** The fly cover may be rearranged (see photo below) to make a roomy extension to the tent. Color: Orange. Weight including tent, fly cover, metal poles, and pegs. 18 lbs. (wt. of fly cover alone: 7½ lbs.) **T315** **$82.50**

ALL-PURPOSE PEG. For soft sod, sand, or snow. Aluminum channel construction. Flanged at top, 8½″ long. 1¼ oz.
T618 . . . . . **20¢**

SAMSON HOLLOW STEEL PEG. Has solid hammering anvil. 7½″ long. 1½ oz. . . . . **T607** . . . . . **20¢**
9″ long. 3½″ oz. . . . . **T605** . . . . . **30¢**
12″ long. 6 oz. . . . . **T604** . . . . . **50¢**

"ANKER" TENT PEG. Very efficient in any kind of ground except snow. Spring arm is self-adjusting. Nothing to trip over, easy extraction. Increased tension anchors peg more firmly.
5″ top arm w/7″ shaft length. 2 oz. . . . . **T606** . . . . . **ea./30¢**
7″ top arm w/10½ shaft length. 4½ oz. . . . **T608** . . . . . **ea./45¢**

CORD TENSION ADJUSTER. An elastic link from peg to guy line. Absorbs wind shock on tent walls. **T114** . . . . . **each 50¢**

DURALUMIN ROUND WIRE PEGS. 7″ long. ½ oz.
T615 . . . . . **15¢**

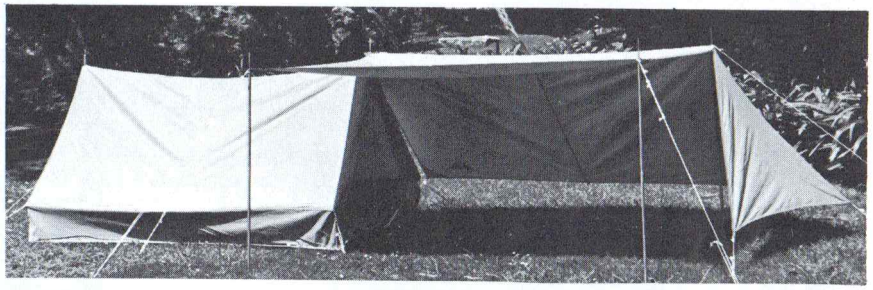
BULLDOG TENT PEGS. Steel, rustproofed, light, and nest closely.
5¼″ long. ½ oz. . . . . **T611** . . . . . **10¢**
7½″ long. 1½ oz. . . . . **T612** . . . . . **10¢**

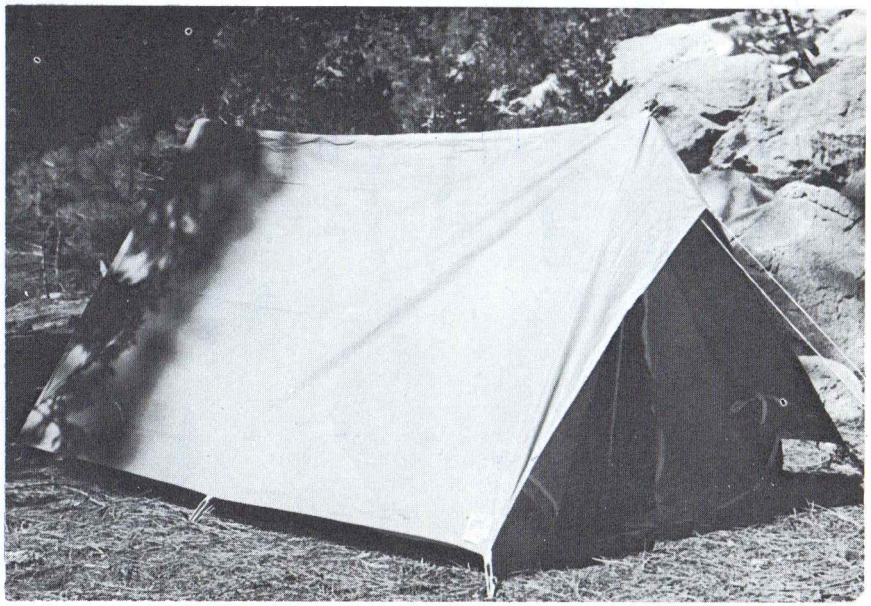
CAST ALUMINUM TENT PEG. 6¾″ long. 1½ oz.
T610 . . . . . **30¢**

ANGLE SNOW PEG. 12″ Tapered. 1¾ oz.
T616 . . . . . **45¢**

TWISTED SKEWER PEG. Superior high tensile steel. Light, but grips well in poor ground. 9″ long. 1 oz. **T617** . . . . . **10¢**

FRENCH JAMET TENT PCA 10. An extraordinary value in a two-man tent. Made to Trailwise specifications in France, this model holds two men and their gear in comfort and weighs only 6¾ lb. The floor is 4′ x 6½′ with a 16″ vestibule in the rear. Height 39″ with 10″ walls all around to make every inch of floor space usable. Outside door and mosquito netting are secured by center zippers. Upright aluminum alloy pole at each end. The walls are bright orange densely woven cotton; with fly sheet, air space in between insures that rain will not penetrate and adds significantly to warmth inside the tent. Wt., including tent, fly sheet, aluminum poles and pegs: 6¾ lb. **T310** **$48.50**





BOOKS ON TECHNIQUE

ACCIDENTS IN AMERICAN MOUNTAINEERING. Annual report of the American Alpine Club safety committee.
Current issue ..... **40¢**
Back issue **$1.00**

CROSS-COUNTRY SKI BOOK. by Caldwell. The author, a coach and ex-Olympic skier, writes for first time skiers as well as for downhill skiers. Contents include technique for stride and poling over varied terrain, equipment, laying a course, waxing, tips for outings with family. Fully illustrated with photographs **$3.50**

HANDBOOK OF AMERICAN MOUNTAINEERING, edited by Kenneth Henderson. Contains chapters on rock, ice and snow terrain, dangers and rescues, camping, cooking, equipment, use of maps, and compasses, weather. Illustrated... **$4.75**

FUNDAMENTALS OF ROCK CLIMBING, by MIT Outing Club. The very informative and useful manual on rock climbing for beginners and experts. 46 pp., paperbound **$1.00**

CANOE CAMPING, by Carle Handel. A comprehensive guide to wilderness travel by water. **$4.00**

CANOEING, by Carle Handel. A full description of techniques for maintaining and handling the canoe. Illustrated. **$4.00**

MODERN MOUNTAINEERING, by Showell Styles. The rapid spread of technical instruction in mountaineering has led to close examination of climbing techniques, whether on rock or snow and ice. "Modern Mountaineering" contains only the approved technique which is being taught by responsible mountaineering instructors today. Chapter on accidents and remedies. 177 pp. 8 photographs, 40 line drawings. **$3.95**

MOUNTAIN SEARCH AND RESCUE OPERATIONS. Practical information by Teton Park rescue team. Paper. 1959.... **$1.25**

ROPES, KNOTS AND SLINGS FOR CLIMBERS, by Walt Wheelock. The most current descriptions of new equipment, rope strengths, care of rope, knots, slings, etc. 1960 ..... **$1.00**

THE MOUNTAINEER'S WEEKEND BOOK, by Showell Styles. Menus, poems, essays and mountain history. Just the thing for dull rides to distant mountains, rainy tents, etc. **$2.85**

THE NEW OFFICIAL AUSTRIAN SKI SYSTEM. Edited by the Austrian Association of Professional Ski Teachers. Theory of movements and explanation of technique, from walking to wedeln. Translated by R. Palmedo **$2.95**

FROSTBITE by Bradford Washburn. This is the reprint from American Alpine Journal of 1962. How to prevent and treat frostbite. **$1.00**

RESOLING SERVICE. Rubber lug soles will not come loose if attached properly to boots. Proper attachment employs thermal bonding with a proven adhesive. We recommend that you engage your local shoe repairman to undertake resoling, as the savings in money and time are considerable.
Boots must be clean before they will be accepted for repair or resoling service.
Price includes sole, rubber midsole and labor..... **$13.00**
Cost of shipping and handling **1.50**
Note: Allow four weeks for two-way shipment and resoling service.

RUBBER LUG SOLES. Made of black compounded rubber that will grip on almost any surface except glare ice, they are used extensively by outdoorsmen and mountaineers throughout the world, and will outgrip and outwear ordinary rubber or nails in all respects. For resoling purposes, the Vibram sole is only available in the Montagna model. It is a deep, heavy-tread sole, recommended for general hiking and mountaineering. Ave. wt. 1 lb. per pair. **B010**..... **$3.75**
Note: Be sure to include outline of present sole when ordering.

RUBBER MIDSOLES are needed to obtain best bonding of lug soles. Midsole is first stitched to boot sole, then the main lug sole is cemented to the midsole. Ave. wt. 6 oz. per pair. **B013**..... pr/**$1.50**

LEATHER LACES: For 8″ to 12″ boots. Rawhide laces; oil-tanned and made from heavy gauge leather. Length 72″. **B910**..... **pair/60¢**

BRAIDED NYLON LACES: Textured, waxed nylon, particularly suited as lace material. It possesses unusually high tensile strength and will not slip due to its waxy finish. Colors: Black, Red, White. Two lengths:
54″ long. **A123/54** ..... **pair/50¢**
72″ long. **A123/72** ..... **pair/60¢**

SNO-SEAL. The original wax waterproofing for leather. Formulated many years ago, but still considered to be the best for waterproofing ski boots in which firmness is the desired characteristic. Two sizes:
8 oz. can. **B902** ..... **95¢**
4 oz. can. **B903** ..... **60¢**

LEATHER SEAL. Specially prepared for waterproofing shoes, ski and hiking boots. Keeps leather pliable without undue softening. 8 fl. oz.
B905 ..... **$1.10**

SNO-SHOO. Silicone spray preparation for shoes and boots. Net weight 8 oz. Shipping weight 12 oz. **B901**..... **$1.59**

1 **No. 790/55 Pin.** Silver finish. Wreath of Enzian and Edelweiss, Crest.. **$1.00**
2 **No. 790/130 Pin.** Silver finish. Edelweiss and Bell..... **$1.00**
3 **No. 790/89 Pin.** Silver finish. Axe, rope, Edelweiss, Crest..... **$1.00**
4 **No. 783/3 Pin.** Silver finish, Wreath, Ski, and Crest..... **$1.00**
5 **No. 7658 Feather.** Russet tone. 8″ long..... **95¢**
6 **No. 13182 Feather.** 3″ long..... **75¢**
7 **No. 12049 Feather.** 5″ long..... **75¢**
8 **No. 13735 Feather.** 5″ long..... **75¢**
9 **Brush.** 3″ long..... **$1.75**
10 **Holder.** In silver finish..... **$1.00**

1 **LAKE PLACID TOURING BOOT.** This imported ski-touring boot features lightweight, rugged construction. Supple for effortless X-country touring, it is highly recommended for short tours in the Spring. Rugose rubber sole, pebble-grained black leather tops, metal reinforced at heel counter and toe well. Fits any X-country or touring binding. Padded around top seals against snow. Sizes 6 to 11½; one width. Men's ave. wt. 3¼ lb. ladies; 2¾ lb. **B208** **$19.95**

2 **MINARET SKI TOURING BOOT.** An imported ski-mountaineering boot that combines seemingly contradictive features. It is a supple and comfortable touring boot which readily serves for downhill skiing; at the same time the shallow-tread Vibram lug soles make the Minaret useful for combined ski-climbing ascents and winter climbing. A double boot, made of durable pebble-grained black leather, the boot has a comfortable form-fitting, speed-lacing inner boot that can be snugged up for downhill running and loosened for the uphill climb. Hinged heel allows forward flexibility. For men and women. Sizes 6 to 14; widths, X-narrow to X-wide. Men's weight 5½ lb.; ladies', 4¾ lb. **B202** **$28.50**

3 **PERSSONS X-C RACING SHOE.** Very light and flexible Swedish Cross-Country racing shoe. Pebble-grained black leather top with padding around ankle to keep out snow. Very supple leather sole with soft rubber heel. Fits only X-C racing binding. Sizes 7-11½, ave. wt. 2 lb. **B207** **$19.95**

4 **TRAILWISE DOWN FILLED SOX.** The warmest of all sox. Shell is lightweight nylon, with coated nylon outer sole. A ¼" layer of ensolite is added to the sole for better insulation. Ideal under waders, inside tent, and to keep feet warm while sleeping. Sizes: Small, medium, large. Wt. 4 oz. **A115** **$7.95**

5 **TRAILWISE GAITERS.** Snug elastic grip above and below ankle. Made of water repellent 3½ oz. nylon duck. Keeps out sand, gravel and snow. Zipper closure permits gaitor to be put on independently of boot. Tie-cord at bottom. Wt./pr. 3½ oz. Color: Black. **A116** **$4.75**

6 **OVERBOOTS.** Positive protection for the feet in extreme conditions of cold-weather mountaineering. This model has been recently improved; now has a nylon zipper fastening in back. Snugness is maintained with elastic at the ankle and calf. The boot is 18" high, made of waterproof urethane-coated nylon duck. Pockets inside hold optional ensolite insulation. Send sole outline when ordering. Sizes Small, medium, large. Weight 15 oz. Color: Sage green. **A117** **$16.75**

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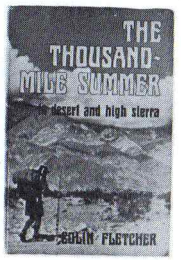
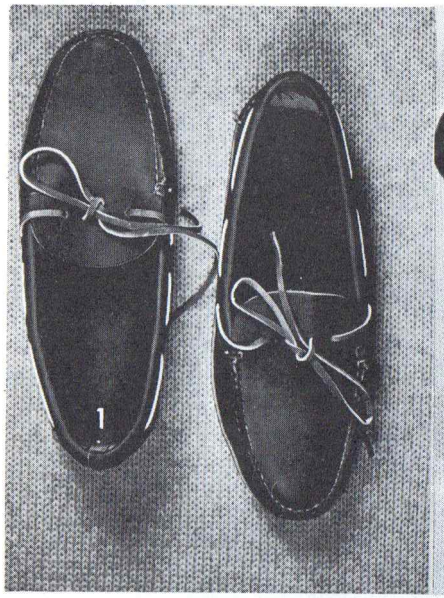


THE THOUSAND MILE SUMMER. By Colin Fletcher. The author's own story of his walk from the Mexican border to Oregon via California's backbone, across Death Valley and along the Sierra Nevada crest. 207 pp. 39 photographs. 1964. . . . **$4.95**



1 **BASS MOCCASIN.** Designed for maximum comfort and durability, this moccasin combines fine craftsmanship with soft, natural leather to produce a quality moccasin with wide versatility. Available with single or double sole. For men and women. Sizes 6-13, one width fits all. Colors: Oxblood or Natural.
DOUBLE SOLE. Ave. wt. 18 oz. **B108**.....**$11.95**
SINGLE SOLE. Ave. wt. 12 oz. **B108/S**..... **9.95**

2 **ZILLERTAL.** Imported from Austria, this inexpensive, technical rockclimbing shoe is especially suited for friction work. The uppers are made of scuff-resistant grey suede leather, doubled over the entire toe region for additional strength at points which are subject to heavy wear. Both insole and midsole are made of dry-tanned leather of suitable thickness to provide support on tiny nubbings and flakes. The heelless Marwa sole is unparalleled for friction climbing. For rockclimbing, a snug fit is usually preferred. Sizes 4 to 14; one width. Ave. wt. 2½ lb.
B203 .....**$13.95**

3 **SPIDER.** Italian shoe designed for technical rockclimbing. Soft unlined upper, hard toe. Exceptionally stiff Vibram Roccia sole for edging on tiny holds. The toe section is fully capped by an additional thickness of leather, as is the heel counter, giving full protection from rock abrasion around the whole shoe. Tough grey suede throughout. Sizes 5 to 14, widths AA to D. Men's ave. wt. 2¾ lb.; ladies, 2 lb. **B100**.....**$16.50**

4 **EIGER.** Heavy duty 6″ mountaineering boot imported from Italy. Uppers are of combination chrome- and oil-tanned leather, black in color, that is resistant to rock abrasion and water penetration. Extensively padded throughout ankle section; fully lined in calf. Hard toe and heel counter specially treated to hold shape. Vibram Montagna sole is cemented on, and reinforced by brass screws at toe and heel sections. Sole has no overhang. This boot has been proven on expeditions to the Andes, Himalayan and Alaskan ranges. Sized from 5 to 14 in five widths, A to E. Men's ave. wt. 4¾ lb., women's 4¼ lb. **B106** **$32.50**

5 **SUMMIT.** Designed for durability and use in wet country, this boot features smooth-finish leather uppers and a leather midsole, which provides stiffness and support for long excursions. Embodies the Cortina's virtues of good fit and flexibility; fully lined in smooth calf, padded around the ankle, high-traction Vibram Roccia sole. The hard toe caps and heel counters are specially treated to hold shape. Sizes 5 to 14; widths AAA to D. Men's ave. wt. 4 lbs.; ladies', 3¼ lb. **B102**.....**$27.75**

6 **K-2.** A high-altitude boot proven in the highest ranges of the Americas and Asia, made in Germany by Adolf Wagner. The only answer for technical climbing in very cold weather, since overboots are not needed for warmth. The separate inner boot is thickly padded and insulated at every point, including the sole, and has a 2¾″ insulated collar that wraps around lower part of the calf. Can be used independently as a hut boot or after-ski boot. The outer boot is made of black pebble-grained Muscovy hides with independent strong heel and toe-caps to take the abuse of cramponning. Secure lacing rings, hinged heel, and Vibram Montagna sole. Ave. wt. 6½ lb. sizes 8-14 in one width, Med./Wide. **B204**.....**$59.50**

1 **CHIPPEWA.** Bush and mountaineering boot 8″ high. Speed-lacing, comfortable moccasin toe. The oil-tanned Spanish Moss leather, light brown in color, stays soft and repels water. Inside lining of smooth glove leather. Gusseted cushioned tongue. Arch support with steel shank. Deep tread Vibram Montagna sole cemented and thermally bonded, then L-clinched for positive attachment. Sizes from 7½ to 14 in widths B, D, EE. Men's ave. wt. 4¼ lb.; ladies, 3¾ lb. **B302** **$32.50**

2 **TRAILWISE PACKER.** A proven favorite with many hunters, fishermen, construction workers, hikers, and mountaineers. The famous Munson last and rocker sole combines for excellent fit and hiking comfort. 8″ high tops, full-grain black semi-oil-tanned leather; hard toe; ebonite heel counter reinforced with outside counter; reverse overlapping upper seams (prevents seams snagging on rocks); and the imported deep-tread Vibram Montagna sole for good traction and long wear. Sizes 5 to 14; widths A to EE. Unlined. Men's ave. wt. 4½ lb.; ladies, 3½ lb. **B301** **$27.50**

3 **MONTE ROSA.** Developed in Europe for climbing in the Alps. 5″ height, oil-tanned leather with hide reversed "rough-out" texture for abrasion resistance. Fully lined with chrome-tanned leather, backed with foam rubber around the ankle section, including tongue. The Vibram Montagna sole has no overhang, assuring good balance on rock and technical ice. Has snow and scree collar. An excellent high alpine boot for use on snow and rock, and for general high mountain hiking. Four widths: A, B, C, D. Men's ave. wt. 4½ lb.; ladies, 3¾ lbs. Limited supply available. **B105** **$31.50**

4 **SIERRA.** Light and rugged American hiking-mountaineering boot. Made by Voyageur along the lines of a European alpine climbing boot, 6″ height; minimum number of seams on upper, nylon sewn. Full bellows tongue backed by padded inner tongue, lacing hooks. The combination oil- and chrome-tanned leather uppers are unlined, rough-out, and reinforced at heel counter, toe and arch; padded collar to keep out scree and snow. Vibram Montagna sole closely trimmed to upper. Sizes 7-14. Med. and Wide. Ave. wt. 3½ lb. **B304** **$21.75**

5 **MOUNTAIN BOY.** An inexpensive mountain boot designed especially for children. Uppers are made of brown, scuff resistant smooth textured leather. Firm heel counter and hardened toe. Sole and heel are a molded unit firmly bonded to the upper with a proven adhesive, and trimmed to minimal overhang. Tough, cleated sole has excellent traction and its brown color minimizes floor marking. Boys and Girls. Sizes from 11 to 5. Ave. wt. per pair 1¾ lbs. **B303** ..... Boys 11-2 **$13.50**
Boys 2½-5 **14.95**

6 **CORTINA.** Lightweight, flexible and fully lined with smooth calf that is padded around the ankle, this hiking shoe is designed to insure comfort and painless break-in. Uppers are of soft, scuff-resistant grey suede. The high-traction Vibram Roccia sole is closely trimmed for rock climbing use. Made in the Dolomite region of Italy, this shoe is popular with both men and women. Sizes from 3 to 14; widths, AA to D. Men's ave. wt. 3 lbs.; ladies', 2¼ lb. **B101** **$23.50**

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1 **AUSTRIAN LEDERHOSEN.** Genuine Austrian Import. Sturdy, rough-finish, grey suede leather. Two front pockets and one hip pocket. Men's have classic button front; ladies' have side zipper. Lederhosen are made to fit loose around the waist to provide comfort and ventilation in hot weather. Must be supported with lederhosen suspenders and not with a belt. Sizes, average weight, and prices as below:

Tots: The undiscovered secret—kids can't wear these out. And they tend to expand with the child's growth.
Ages 1-4; 1½ lb. **A406/t**.....**$9.95**
Children: Lederhosen make good rough-and tumble play or hiking pants.
Ages 5-10; 1¾ lb. **A406/c**.....**$11.95**
Youths and Womens (specify which) sizes 23-28; wt. 2 lb. **A406/yw**.....**$17.00**
Men's: Sizes 30-38; wt. 2¼ lb.
A406/m **$18.00**

SUSPENDERS FOR LEDERHOSEN. Rough finish grey leather lined with felt on back. Sized according to length from waist over shoulder back to waist.
Men's (plain chest band) **A416**.....**$3.00**
Women's (heart design on chest band)
A416/w **$3.50**
Men's (edelweiss design on chest band)
A416/m **$3.50**
Children's (edelweiss design on chest band)
A416/c **$2.50**

2 **CHILD'S DEFREGGER HAT.** Softer and lighter gauge wool felt. Welt edge. Can be rolled and stuffed into pocket or pack. Colors: Dark Green, Gray, or Red. Specify size, 1st and 2nd color choice. For boys and girls up to size 6⅞. Ornamentation is extra.
A720/C **$3.45**

3 **TRAILWISE TOURING PARKA.** A versatile and convenient parka with full length zipper. Can be worn on a variety of occasions. Has waist draw-cord, cuffs adjustable with Velcro tape, and a concealed hood that can be closed around the face Two 9"x12" zipper pockets are located on the skirt. Made of Navy Supernyl. Sizes: XS, S, M, L, XL. Small sizes can be worn by women. Ave. wt. 20 oz.
A108.....**$24.50**

4 **JUANTZITO BERET.** Authentic Basque import. Made in traditional style of 100% reprocessed wool. Water repellent. Excellent protection from cold weather as well as from strong sun rays. Available in Black or Green. Specify size and color when ordering. Sizes 6¾ to 7¾. **A729**.....**$2.50**

BLIZZARD DOWN-FILLED PARKA. A beautifully styled parka that can be worn proudly at any cold weather sports outing, whether it be skiing, sports car driving, mountaineering or hiking along cold and exposed trails. Both lining and shell are made of water repellent treated nylon. Entire jacket is filled with down. The nylon hood, with drawcord, can be concealed when not in use. Collar is down-filled for extra protection around the neck. Parka has a full-length zipper with double slider, drawcord at waist, knit cuffs, and two zipper pockets in the skirt of jacket. A rugged, useful garment that is handsome as well. Colors: Royal Blue, Graphite, Mint, Navy, Wine. Sizes: Med., Med.-Large, Large. Please give alternate color. Wt. 28 oz. **A343**.....**$45.00**

LADIES PRINCESS DOWN FILLED PARKA. Vertical quilt for maximum warmth with a slender silhouette. Zipper pockets, button back, down-filled mandarin collar, contrasting lining. Has concealed hood as with other Tempco parkas. Colors: Navy, Wine, Red, Cobalt, Champagne, Gimlet Green. State alternate color choice when ordering. Wt. 26 oz. **A103**.....**$45.00**
Available after November 1

ROGUE DOWN-FILLED PARKA FOR MEN. The fashionably long, belted feature is well adapted to this good-looking, practical jacket by Tempco. A smooth, professional ski appearance compromises nothing with the durable, warm construction of an ideal mountain coat. Fingertip length; quilted in body and sleeves with quality grey goose down. Double zipper allows bottom to be loose while top is zipped. The outer shell is smooth, windproof nylon; the belt is removable and fastens with a double D-ring. Colors: Navy, Cobalt, Olive, Graphite, Wine, Cinnamon. Sizes: Small, Med., Med.-Large, Large. Please state alternate color. Weight 2 lb. **A342**.....**$55.00**

LADIES' ROGUE DOWN-FILLED PARKA. Similar specifications to the Rogue, and as smart on the ladies as the Rogue is dashing on the men. The wide comfort range of down makes this a jacket for all seasons. Colors: Navy, Gimlet green, Wine, Cobalt, Gold, Cinnamon. Concealed hood. Sizes 10 to 16. Please state 1st and 2nd color choice. **A341**..... no photo.....**$49.50**

LADIES' LEDERHOSEN. See description on facing page.

ICELANDIC SWEATERS. In the classic Scandinavian yoke pattern, this is a seamless, one-piece, hand-knit sweater of thick undyed wool. Cardigans and pullovers for men and women in Dark grey, Malt or White color patterns. Please state alternate color.
Men's Pullover; sizes Med., Lg., X-Lg. **A356/mp**.....**$39.95**
Men's Cardigan; sizes Med. or Lg. **A356/mc**.....**$42.50**
Ladies' Pullover; sizes Md., Lg., X-Lg. **A356/lp**.....**$39.95**
Ladies' Cardigan; sizes Med., Lg., X-Lg., **A356/lc**.....**$42.50**

LADIES' BLIZZARD DOWN-FILLED PARKA. The flattering quilt pattern on the yoke and the chic stand-up flaring collar make this jacket tops for beating the cold weather and looking good at the same time. Hidden drawcord can be pulled to suppress the waist, which adds to warmth and creates a distinctly feminine appearance. Filled with quality grey goose down. Colors: Navy, Burgundy, Cobalt, Gold, Mint in sizes from 10 to 16. Please state alternate color. Wt. 24 oz. Limited supply. **A344**..... no photo.....**$45.00**

downwear, parkas

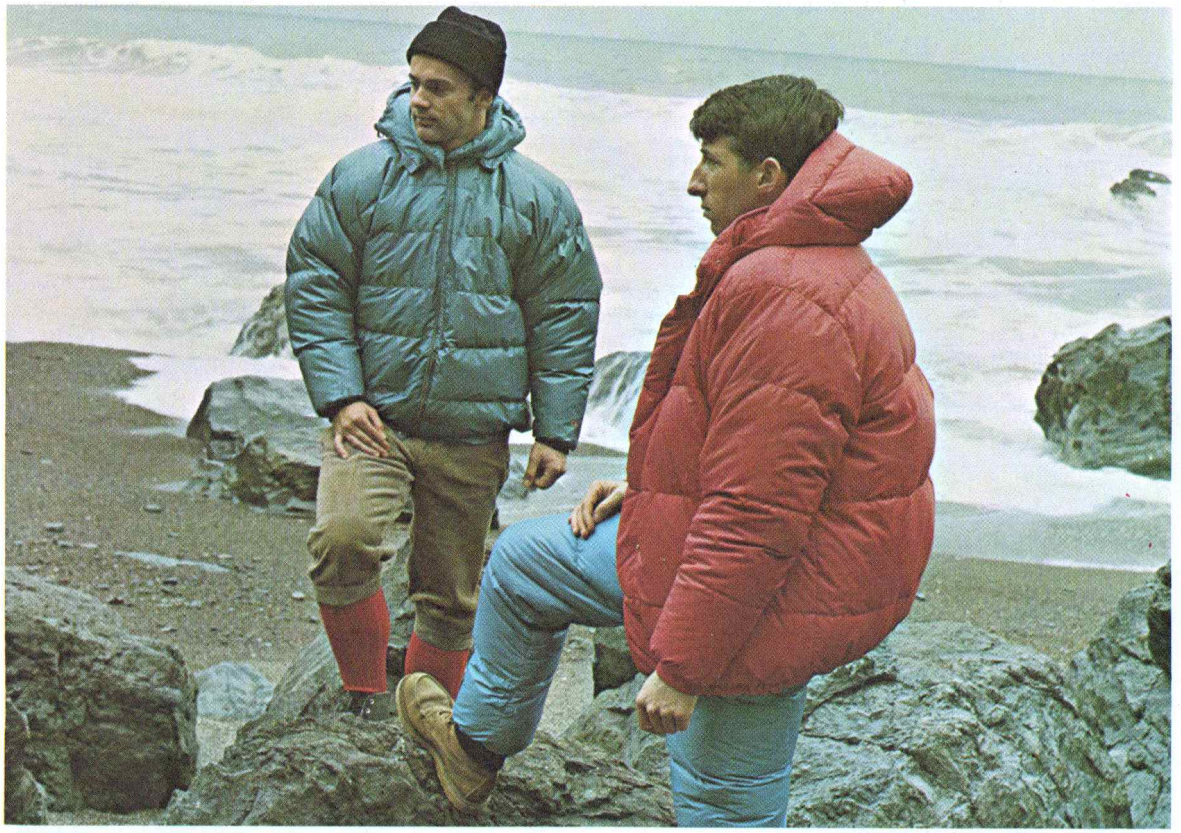
JAMET DOWN MOUNTAIN JACKET. Our special import from France; an exceedingly good value in a thoroughly baffled, full-length nylon jacket for rigorous conditions. Fingertip length, baffled throughout, snap closure with generous overlap. Hood tucks inside collar. Ample room inside for pulling in the sleeves to use as a sleeping bag, with a footsack. Two colors: French Blue and a rather subdued Red. Sizes: S (1), M (3), L (5). Weight 2½ lbs. **A220** **$42.50**

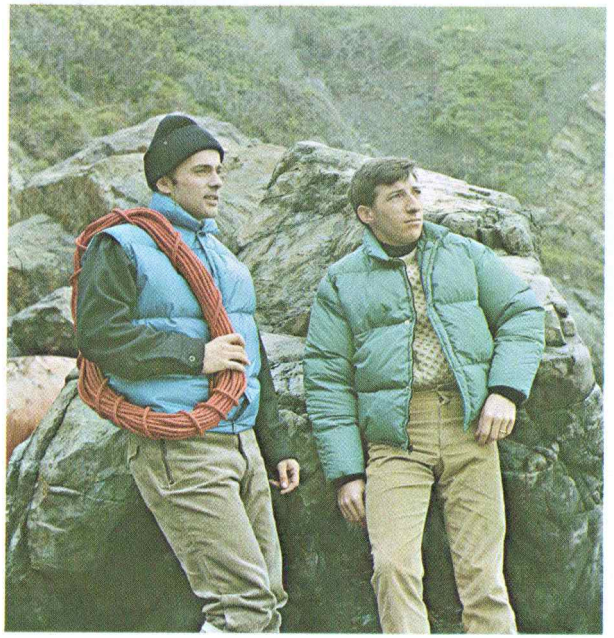
TRAILWISE DOWN PANTS. Most useful for any situation where you must remain relatively still in cold weather: for wear inside a sleeping bag, for bivouacs, for sitting in a duckblind. Quilted with grey goose down, rugged lightweight nylon shell. Zipper fly, elastic knit cuffs. Color: Blue, Weight 16 oz. Sizes: Small, Med. & Large. **A110** **$21.75**

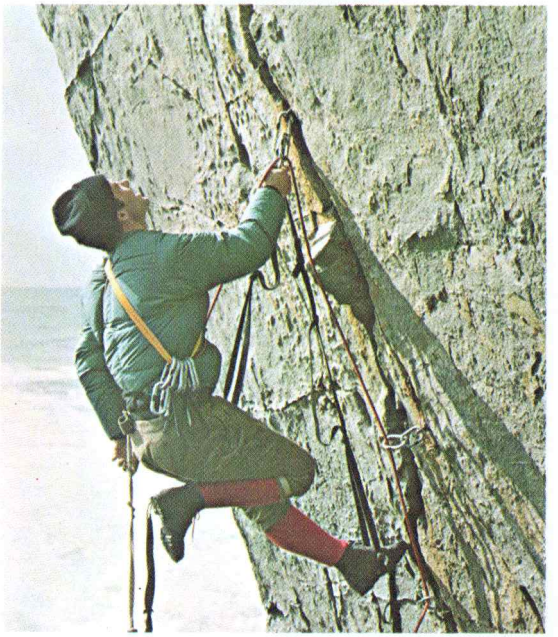
TRAILWISE DOWN PARKA. Designed by Trailwise for those who need the utmost in protection against bitter cold at high altitude, this Big Downy is also used often by mountaineers for wear around camp during cold weather, or in conjunction with a footsack for sleeping. Built on the overlapping quilt principle, this parka has no cold seams. The 26″ nylon zipper is snag-free and thickly insulated by a full-length down-filled draft flap. The parka has elastic-knit cuffs and a stand-up collar that lies snug around the neck with a generous overlap in front. Hood is cut full enough to be worn over other headgear; has drawstring and Velcro closure at neck. Parka is fully lofted with 16 oz. grey goose down, with Tenaya cloth shell and lining. Weight, including hood: 2 lbs. Carrying sack included. Sizes: Small, Med., Large. Colors: Red, Blue. **A109** **$64.50**

TRAILWISE LOGAN JACKET. Designed as an intermediate-weight, all-around down jacket for mountaineering, skiing and camping: We found this jacket to be just as useful at 19,000 feet on Mt. Logan as it is around Yosemite Valley, or on a Sierra ski-tour. The Logan Jacket has the warmth of several sweaters, with less weight—and is easily carried in a corner of your pack until needed. Filled with grey goose down, shell of tough Supernyl, a 3½″ high down collar, and elastic knit cuffs. This is the only jacket of its kind that solves the controversial question: Zipper vs. Snaps? The Logan Model has both heavy-duty snaps and a full nylon zipper with a 2″ overlap. Colors: Red, Blue, Range green. Weight 21 oz. Sizes: Small, Med. or Large. Stuffbag included. **A111** **$28.50**

TRAILWISE DOWN VEST. This garment will provide great warmth and perform a variety of tasks out of all proportion to its weight, bulk and cost. Ideal for wear under a parka, in your sleeping bag, or slipped over other garments while resting on the trail and in camp. Vest is quilted and filled with Grey Goose Down; closure is effected by large snap fasteners set so that front overlaps 1½″ for draft control. Two collars — down or knit — specify preference. Elastic at waist. Shell material is lightweight nylon which is sturdy and windproof. Sizes: Small, Medium and Large. Small and medium will fit most women. Color: Royal Blue. Wt. 12 oz. **A112** **$18.75**







NYLON WIND SHIRT. Lightweight nylon fabric insulates the body in extra-cold conditions. May be worn inside or outside sweater. Has non-snagging nylon coil zipper, buttoned cuff and breast pocket. For men and women. Men's sizes: small, medium, large, x-large; Women's: small, medium, large. Colors: Navy blue, Burgundy, Deep olive. Please state alternate color. **A357** **$4.95**

MEN'S CORDUROY SHORTS. Made in England. Two side pockets; one hip pocket. Fawn color. Even 30 to 38; specify your size when ordering. Wt. 1¼ lbs. **A401**..... **$9.75**

LADIES' CORDUROY SHORTS. Soft corduroy in continental pattern. Cuffs. Side zip. Two slash front pockets. Colors: bottle green or grey. Even sizes 22"-30" waist. Weight 12 oz. Specify 1st and 2nd color choices when ordering. **A402** ..*no photo* **$9.75**

IMPORTED BOLIVIAN ALPACA PONCHO. Hand-woven of the softest undyed alpaca yarns, each of these ponchos is unique in pattern and color. Luxurious and amazingly warm, they make an ideal gift. One size fits all. State preference for predominant colors, warm browns or soft greys. Wt. 1 lb. 6 oz. Allow two weeks for delivery.
A357 ..... **$49.95**

bottom left photo

DEFREGGER. Of soft wool felt. Welt edge. Can be stuffed into pocket or pack. Colors: Dark Green, Grey or Red. Specify size, 1st and 2nd color choice when ordering. For men, women, children. Sizes: 6-7¾.
A720 ..... **$4.50**

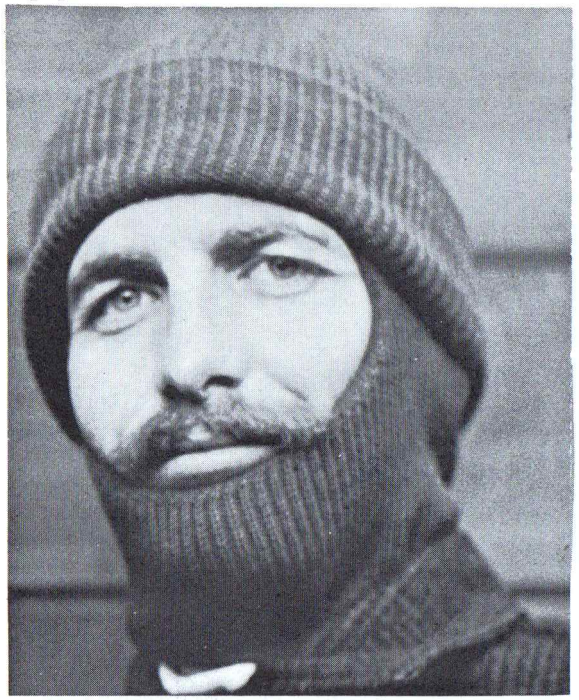
bottom center photo

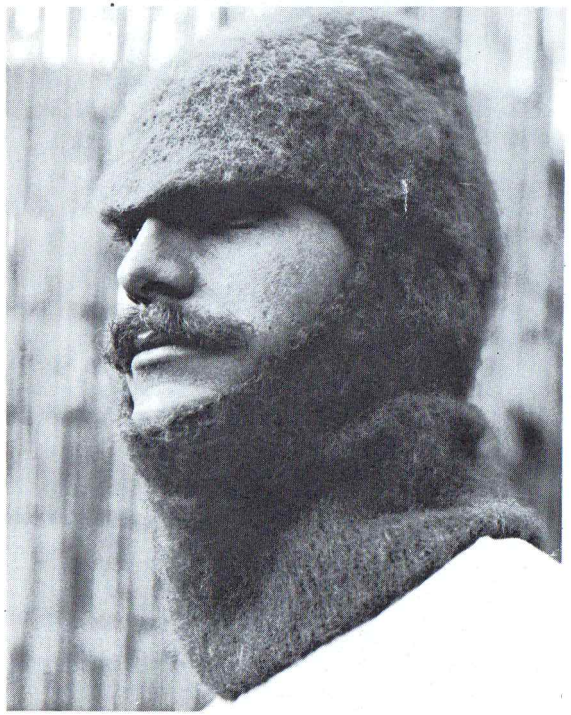
ROLLER-CRUSHER. The woodsman's favorite. Takes crushing, smashing, folding, and stomping in its stride. Tends to become very distinctive in shape after long wear. Black, Red, Green. Sizes 6¾ to 7¾. **A701**..**$2.25**

right photo

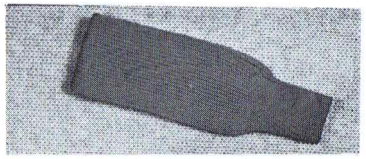
SCANDIA TURTLENECK JERSEY. A versatile and attractive jersey of 100% cotton fabric. May be used for skiing, hiking and street-wear. Has an elasticized cuff and neck. Available in a variety of sizes and colors for men and women. Men's sizes, small, medium, large, x-large. Women's: small, medium and large. Colors: Black, White, Polar blue, Burgundy and Earth. **A305 $4.50**

MEN'S HIKING SHORTS. Made of 9 oz. sateen. Water repellent treated, mercerized and pre-shrunk. Color: Sage green. Even sizes 30-38. Two front pockets, two hip pockets. Velcro fastening on hip pockets. Weight 10 oz. **A101** **$8.50**





ORLON BALACLAVA. The versatile "Eski Cap." Looks good on the ski slopes, gives all-weather protection with its built-in face mask. Non-allergenic and as warm as wool. Weight 3 oz. **A710**.....**$2.25**



HEAD BAND. Made in France. 100% wool. Shaped pattern that fits well over forehead and ears. Colors: Red, French Blue, Black, White. State 1st and 2d color choices. Wt. 1 oz. **A713**.....**$1.00**

bottom left photo

BALACLAVA HELMET. An invaluable item for extremely cold weather. Can be used either as a cap or a full protective helmet. Made from long fiber, soft, fleecy Shetland wool. Navy or Grey or Tan color. State 1st and 2d color choices. Wt. 4 oz. **A7111**.....**$2.75**

NORSE NET SHIRT. This shirt is designed on the 'air trap' principle. The knitted cells, made from soft cotton yarn, hold the warm air against the skin yet allow sufficient ventilation. This article of underwear is very comfortable and is particularly suitable for anyone who needs extra warmth close to the skin. Equally valuable in hot weather since air pockets permit cooling by evaporation. Color is white. Specially sized for men and women: sizes S, M, L and XL available for both. Wt. 7 oz. **A651**.....**$4.00**

NORSE NET LONGS. A wonderful, lightweight, non-itch underwear. Made of soft cotton woven in fishnet pattern utilizing the 'air trap' principle. White. Ave. wt. 7 oz. Men's sizes: S, M, L, or XL. **A652/m**.....**$4.00**

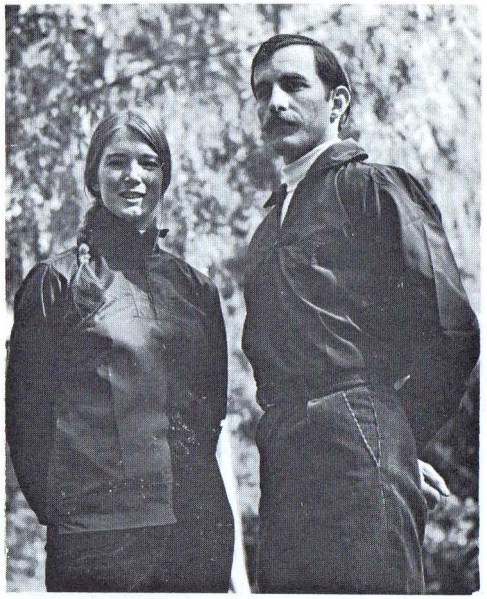
NYLON ANORAK. Waterproof nylon parka with hood. Parka folds into its own chest pocket for easy carrying. Nylon zipper. Colors: Red, Black, Bright Navy. State alternate color. Ave. wt. 9 oz. Specify for man or woman. Sizes: Small, Medium, Large, x-Large.
A205 .....**$8.00**

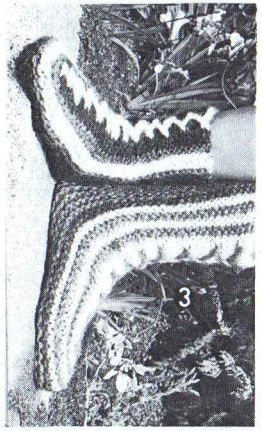
bottom right photo

CHILD'S MODEL ANORAK. Same as the adult model Anorak but with full-length zipper. Colors: Red, Black, Light Blue. State alternate color. Sizes: Small, Medium, Large. Ave. wt. 7 oz. **A321**.....**$6.00**

DUOFOLD 2-LAYER UNDERWEAR FOR MEN. Ankle length longs and long sleeved shirts. Extra heavy duty. Used successfully by the Makalu Expedition and the Olympic ski teams. Inner layer 100% cotton; outer layer is a 40% wool, 50% cotton, 10% nylon blend. Available in light gray. When ordering, state waist and shirt or jacket sizes. Ave. wat. 11 oz.
Shirts. A653/m **$6.25**
Longs. A654/m **$6.25**

DUOFOLD 2-LAYER UNDERWEAR FOR LADIES. The inner layer is made of finely combed cotton; the outer layer is a 25% wool, 65% cotton, 10% nylon blend. The trapped air between the layers adds very effective insulation. Color is flame red. Sizes 10-20. Ave. wt. 7½ oz.
Long sleeved shirts or ankle length paints.
Shirts. A653/w **$6.00**
Longs. A654/w **$6.00**





1 ROYLON X-LONG KNICKERSOCK. Same length and features as Kneesock. 100% wool in a Norwegian starburst pattern. Sizes 9-12. Colors: Cranberry, Green or Blue on Black background. **A932/W** **$5.00**

2 BREGENZ EXTRA-LONG KNICKER SOCKS. At last, a sock which eliminates the inexorable downward creep of most knicker socks. This Austrian import is elasticized both above and below the knee for securest fit and maximum freedom of movement. Soft and warm (70%-30% wool-acrylic) wide-ribbed knit in color choice of Grey, Green Tweed, Royal Blue, or Bright Red. Sizes 9-12. Avg. wt. 5 oz./pair. **A932**..... **$4.75**

3 ICELANDIC FOOTWARMER SOCK. Handknit of the same soft wool as our Icelandic sweater, this attractive sock makes a useful gift for a friend with cold feet. Fits snugly around the heel and follows the contour of any foot. Ideal as a boot sock but too handsome to cover up. Comes in shades of Grey, Beige, Cream and Chocolate brown. Please state alternate color One size fits all. **A956 $6.00**

4 "PIRU" KNICKER SOCKS. Extremely well made and handsome socks from Germany. 100% wool knits that are made extra long. No gap between sock and knicker. Men's: Sizes 10½, 11, 11½, 12. Color: Heather-Green Mix. Wt. 11 oz. **A934**..... **$6.50**

5 ROYLON KNEESOCK. Made of 100% wool and designed to avoid sagging and slipping, this sock fits over the calf, just below the knee. May be used as a knickersock. Sizes: 9-12. Color is Oatmeal. **A934**..... **$4.50**

6 LIGHTWEIGHT SOCK. This soft and absorbent sock is ideal for wear next to the foot. Of 100% wool with 2% nylon reinforced heel, it is recommended for wear under all socks listed, and for normal active use. Shrink-treated. Sizes 9-13. Color is white.
A907 ..... **$1.25**

7 ADLER ASPEN WOOL SOX. These sox are soft, medium weight—90% wool, 10% nylon reinforced throughout. 11" ribbed top. Shrink resistant. Ideal sox for use with any hiking, climbing, or skiing boots. Color: White only. Sizes 9-13. Av. Wt. 3½ oz.
A906..... **$1.50 each pr., 3 pr. $4.00**

8 NORWEGIAN LONG BOOT SOX: Knee length sox made of 100% heavy weight wool. Highest quality. Sizes 9-13. Ave. Wt. 6 oz.
A931 ..... **$3.25**

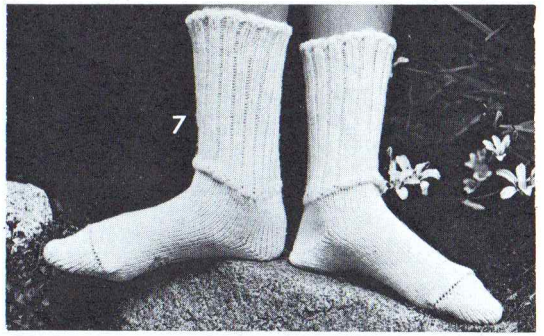
9 ADLER SC SOX. These 10" sox are wool with 10% nylon reinforcement throughout, and 3% nylon reinforcement in heel and toe. Guaranteed against shrinkage. These sox are well suited for general sport and athletic wear. Sizes 9-13. White, Green and Grey. Avg. wt. 2½ oz.
A905..... **pair/$1.25, 3 pair/$3.50**

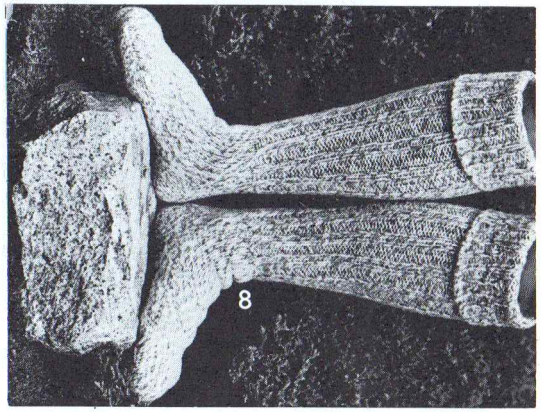
no photo
ADLER NORSE SOX. Thickly cushioned pile throughout. 75% fine worsted wool, 25% stretch nylon. Provides fantastic comfort and excellent insulation. Shrink resistant. Excellent for ski, hunting and hiking boots up to 8" high. White or Blue. Stretch sizes 9-11, 11-14. Ave. Wt. 3½ oz. **A903**..**$2.50**

10 NORWEGIAN BOOT SOX: Heavy weight 100% wool sox that are superior for skiing or use in high altitudes, glaciers, etc. High enough for 8" mountaineering boot. Grey only. Sizes 6-13 for children and adults. Ave. Wt. 3½ oz. **A901**..... **$2.00**

11 EXTRA HEAVY NORWEGIAN SOX. These sox are 10" ribbed top with nylon heel and toe reinforcement. Cushion quality extra thick wool. Grey. Sizes 9-12. Wt. 7 oz.
A902 ..... **$2.95/pr**

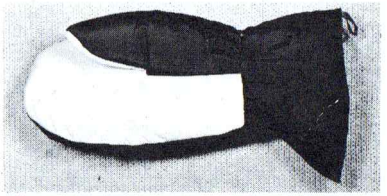
12 CHILDREN'S BOOT SOCK. The Wigwam foot hugger for children is designed for durability and cushioned for comfort. An elasticized sock of 50% wool and 30% nylon. Fits sizes 7-9. **A910**.....**ea. 85¢; 3 pair. $2.50**





1 **LARGE PLASTIC PONCHO.** Extra large size, 54″ x 96″, of waterproof vinyl. The back is made longer than the front to allow for take-up when carrying a pack. The neck opening can be closed by zipper. This poncho has snap fasteners along the sides. The hood has tie tapes. Wt. 14 oz. **A202**.....**$2.75**

2 **STANDARD SIZE PLASTIC PONCHO.** Taupe colored poncho that is suitable for youngsters, and for those who do not want a long poncho. Snap fastener closures. Hood without tiecord. 45″ x 72″. Wt. 13 oz.
A201 .....**$1.75**



DOWN MITTS. Designed for expenditionary use, cold weather skiing, ski touring. Particularly suitable for people who tend to have cold hands. Down filled with added light foam insulation at palm. Palm is leather and the outer fabric is nylon. Length is generous to cover most of forearm. Sizes: XS, S, M, L, XL. Color is Black.
A114 .....**$11.95**

G. I. GAUNTLET MITTS. Very good for cold weather mountaineering. Full leather palm and thumb, back and gauntlet of close-weave cotton twill. Removable wool liner, strap for tightening, and trigger finger for performing delicate tasks without removing gloves. Wt. Pr. 10 oz. **A501**.....**$2.95**

SILK GLOVE LINER. Augments warmth of any glove or mitten. Very useful under cold conditions when mitts must be removed to operate cameras, tie crampon straps, etc. Send glove size when ordering. **A511**.....**$2.95**
no photo

3 **NYLPORT PONCHO.** Nylport, a specially coated nylon, is completely waterproof, will not crack or peel. For those who want a high quality poncho at minimum weight. May be used as an emergency shelter by snapping two together. Finished size 50″ x 85″. Rear drapes 12″ longer than front for take up over pack. Grommets in corners. Colors: Navy blue and Tan. Made by Trailwise. Wt. 14 oz. **A106**.....**$14.75**

4 **WATERPROOF NYLON PARKA.** Made of lightweight rubberized nylon. All seams are taped. Zipper opening is protected by a full gusseted bib. An extremely practical lightweight parka. O.D. color. Sizes S, M, L, XL, Ave. wt. 16 oz. **A301**.....**$6.95**

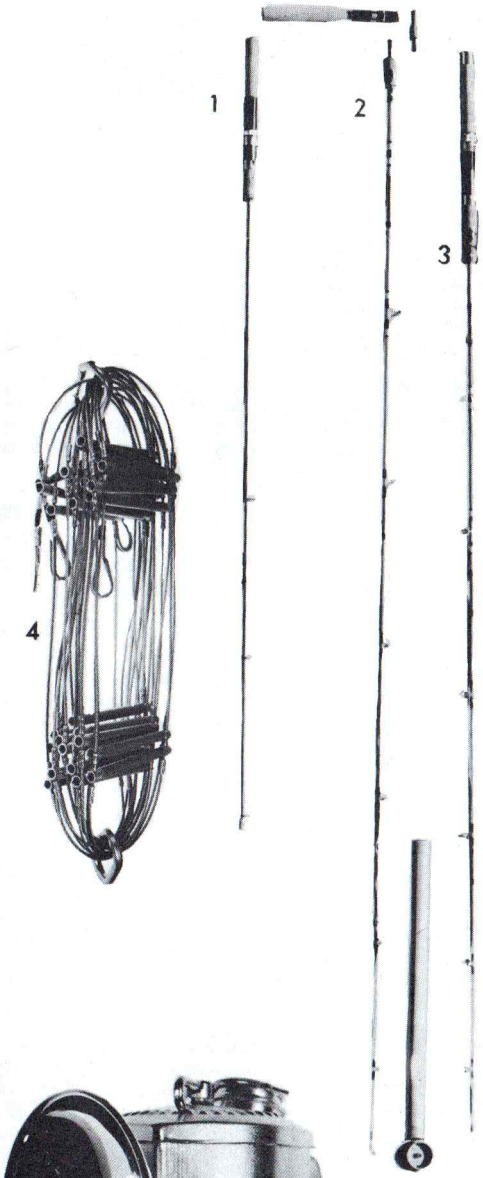
WATERPROOF NYLON PANTS. Made of same quality nylon as the parkas. Pants are adjustable by elastic strap. Has deep bib pocket. Fly front. Sizes S, M, L, XL. Color is O.D. Wt. 14 oz. **A408**.....**$5.95**

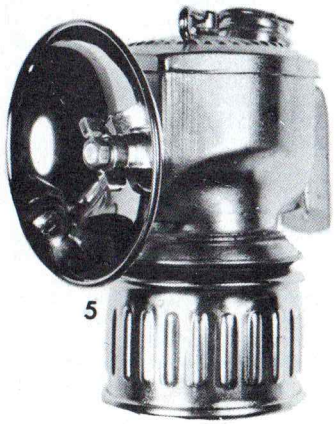
ROPER'S GLOVE. For rock-climbing and general outdoor use. A first quality glove of cream colored tanned cowhide. No split leather used, nor seconds. A nicely fitted and supple glove that will wear well without the clumsy feeling of cheaper types. Palm is free of stitching along finger and thumb bases. Strap adjustment on back. Sizes 8 to 12. Wt. 4 oz. **A502**.....**$3.95**

BANDANNAS. Gay patterned cotton bandannas. For camp and trail. Many uses such as sun protection, wash cloth, neckerchief, etc. Two colors: Red predominant or Blue predominant.
22″ x 21″. **A730**.....**30¢**
27″ x 27″. **A731**.....**65¢**

5 **STANDARD SIZE NYLON PONCHO.** Made of waterproof rubberized nylon, with a low price made possible by use of less expensive yardage. Draw- 50″ x 80″, OD color. Weight 23 oz. **A200**.....**$6.25**

6 **¾ LENGTH COLUMBIA RAINCOAT.** An extremely light, waterproof garment. Full-length wing-sweep zipper, drawstring hood. Dupont K-Kote nylon is rip resistant, will not run, shrink, crack, or peel! Weighs only 10 oz.; the lightest high-quality rainwear we know. Sizes for men or women, Small, Med., Large. Colors: Bright navy. **A203**...**$11.50**





1 **COLLAPSIBLE SPINNING ROD.** Lightweight and compact, this rod is made of Beryllium Copper, a non-corrosive metal. Telescopes within handle to 15″. Case included. Weighs only 6 oz. **K906** **$37.50**

2 **COMBINATION FLY AND SPIN ROD.** Has an ingenious handle arrangement which allows the rod to be converted from fly to spin. Fly rod action. Length is 7½ ft. Rod wt. 9 oz. Aluminum container 25″ long. Wt. 19 oz. **K905** **$26.75**

3 **4 PIECE FIBERGLASS FLY ROD.** An excellent dry fly action fly rod for easy "pack in." Stainless chromium plated guides. Nickel Silver uni-fit Ferrules. Wrapping in attractive bands of green and gold colored nylon. Granger screw lock type reel seat. Length of each section is 22″. Assembled length 7½ ft. Rod weighs only 6 oz. Comes in 26″ long aluminum container. Total weight 16 oz. **K902** **$21.95**

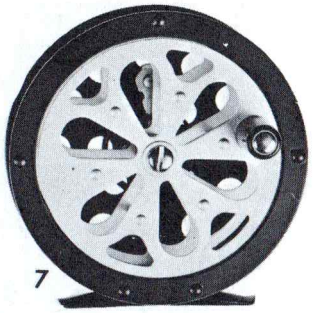
4-PIECE FIBERGLASS SPINNING ROD. This 6½′ rod is made of 4 sections; each 21″ long. Has the action of a 2-piece rod. Has 4 guides and tip. Finished in tan with brown wrapping. Can be easily packed. The rod itself weighs only 4 oz. Wt. with case included, 12 oz. **K901**....*no photo*..**$21.95**

4 **KBL CAVING LADDER:** Very highest quality construction, design and strength. Designed primarily for cavers, but also used by many rescue organizations. This ladder was used for fixed routes by the American Everest Expedition. Construction: ⅛″ galvanized steel cable rated at 2000 lbs. tensile and tested to failure at 4200 lbs. Aluminum rung crimps spaced to allow cable rotation; crimped twice. Aluminum tube rungs ½″ x 6″ tested to bending at 2200 lbs. Two hole thimble crimp tested to 2800 lbs. crimped twice. Thimbles: to size for cable diameter and also house cable against abrasion. Ladder folds by twisting every other section and folding upon self . . . will fall free without tangling. Ladder is 30′ long; join two together with carabiners. (Carabiners not inclu.) 30′ ladder/12″ rung centers. Wt. 3 lb. 14 oz. **K801**.....**$25.00**

5 **CARBIDE LAMP.** Small miner's lamp. Burns carbide gas. Stands 3¾″ high; ¾″ flat hook for attaching to cave helmet listed on page 19. Two sizes:
2½″ reflector dia. 7 oz. **E212**.....**$4.95**
4″ reflector dia. 8½ oz. **E213**.....**$4.95**
Note: Carbide fuel not mailable, but can be obtained locally.

top right photo

6 **CAVING HELMET.** This rugged, lightweight helmet comes with an adjustable head band to fit all sizes 6½ to 7⅝. Made of fiberglass by Ed Bullard and Co. Color is yellow. Wt. 16 oz. **HT104**.....**$5.50**
CHIN STRAP. HT100..... **.75**



7 **PFLUEGER FLY REEL.** Aluminum single action reel. Removable spool and adjustable click. Frame is a green metal finish: spool in satin finish. Sturdy. Large line capacity. Wt. 3½ oz. **K912** **$6.95**

8 **COMPAC SIERRA SPINNING REEL.** The companion reel for the 4-Piece Spinning Rod. Has full bail, take apart handle and finger tip anti-reverse switch. Enamel die case, aluminum body. Retrieve ratio 3.2 to 1 by reinforced nylon drive gear and brass pinion gear. Reel will hold 200 yds. of 4 lb. monofilament. Wt. 5½ oz. **K911**.....**$4.50**

related readings

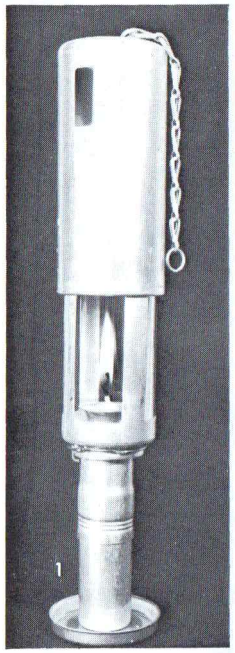
INTRODUCTION TO CAVING by John Thrailkill. The why and how of caving. 2nd edition. 1962. .....**$1.00**

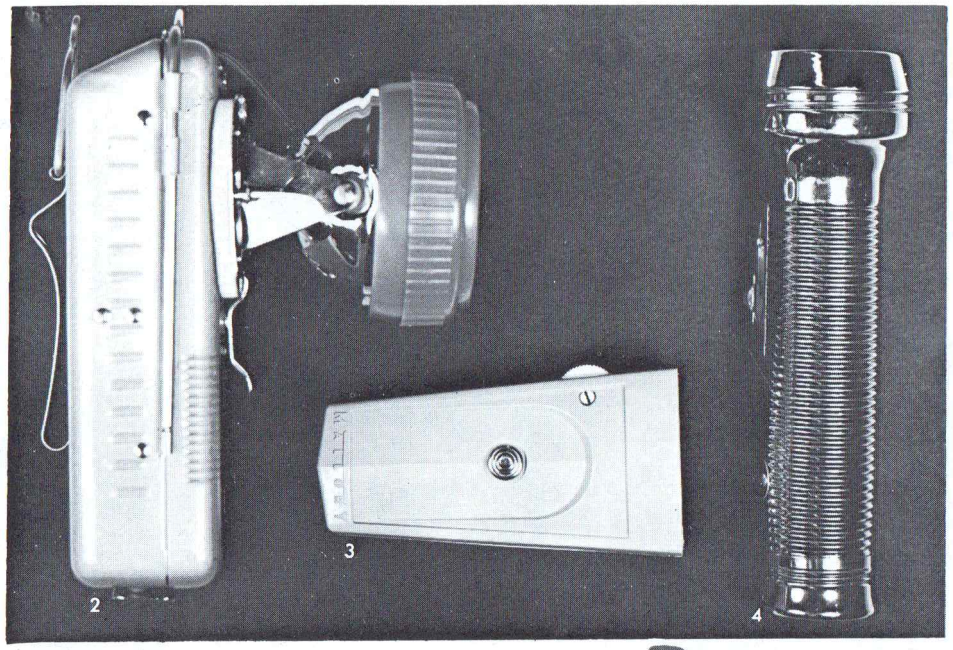
BRITISH CAVING, C. H. D. Cullingford. Second revised edition of the outstanding manual originally published in 1953. Covers methods and techniques, flora and fauna, photography, equipment. Very complete. Charts, diagrams, photographs. 592 pp. 1962.....**$12.95**

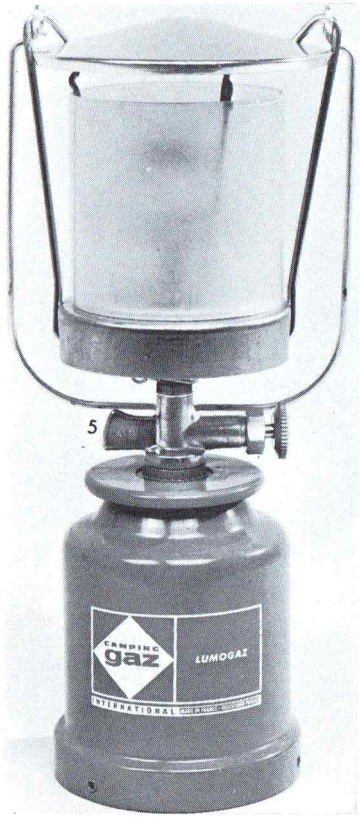
CALIFORNIA TREE FINDER. Amaze your friends with your botanical erudition—this masterfully organized guide presupposes no previous study of plant lore. Its 60 pages cover all Calif. trees; easily carried in pocket.....**50¢**

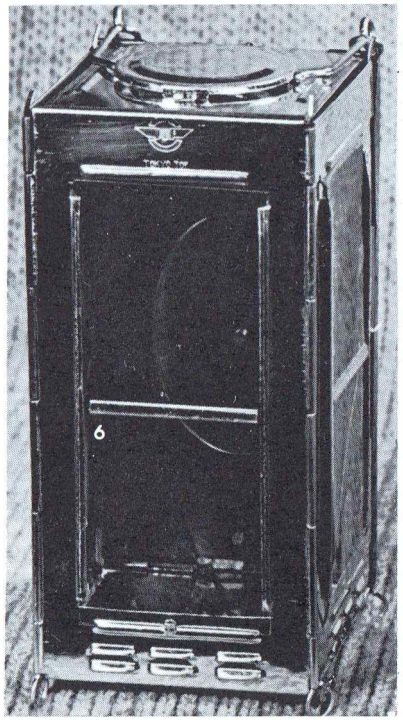
ILLUSTRATED GUIDE TO SEQUOIA AND KINGS CANYON NATIONAL PARK, by Pustari White. Trails, roads, plant and animal life. 104 pp.....**$2.50**

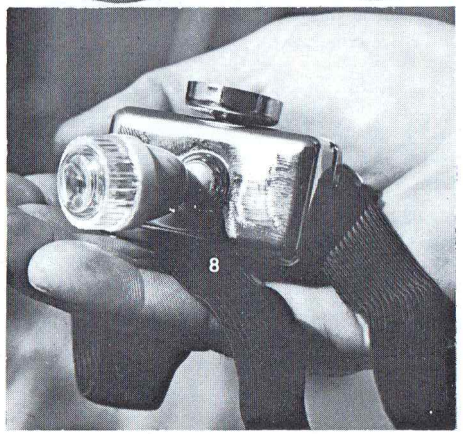
ILLUSTRATED GUIDE TO YOSEMITE VALLEY, by Virginia and Ansel Adams. Roads, trails, camps, etc. A complete guide with photographs and maps. Completely new edition published by the Sierra Club. 1963.
Cloth **$4.75**
Paper **$3.50**











1 **FRENCH CANDLE LANTERN.** Cylindrical aluminum lantern, 2″ x 4½″ when collapsed. Opens to 11½″ long. Shielded glass chimney; spring mechanism keeps candle at uniform burning height. Lighter than a flashlight. Stearene candle adapts nicely. Wt. 3¾ oz. **E209** **$4.00**

STEARENE CANDLES. Will burn about 3 hours. Can be used with candle lantern. Size ⅞″ x 3¾″. Wt. 1 oz.
Each **7¢**. **E211** ..... One dozen **75¢**

ALKALINE BATTERIES. For continuous heavy drain application. Will last from five to ten times as long as ordinary batteries. Three sizes:
"D" Size. 1¼″ diameter. Wt. 4 oz. ..... **E124** ..... **75¢**
"C" Size, 1″ diameter. Wt. 2 oz. ..... **E123** ..... **60¢**
"AA" Size. 9/16″ diameter. Wt. ⅞ oz. ..... **E121** ..... **50¢**
4 "AA" size cells **$1.95**

2 **BRITISH HEAD LAMP.** This exceptionally well made and sturdy lamp will hold 3 standard flashlight batteries. The lamp may be detached from the battery case and worn on the head by means of the elastic band while the battery case is carried on belt or in pocket. On the case is a wire bail which can be pulled into position for hand carrying the lantern. The battery case size is 5½″ x 3″ x 1½″. Grey finish. Wt. without batteries 14 oz. **E101** . **$6.25**

3 **MALLORY POWER BEAM FLASHLIGHT.** Compact flashlight that throws 250 foot beam. Moulded plastic case. Comes with 2 long life, penlight size Manganese Batteries. Size approximately 1¾″ x 1¼″ x 4″ long. With batteries weighs only 3¼ oz.
E105 ..... **$1.98**

4 **SPORTSMAN FLASHLIGHT.** Has a knurled barrel and a ring hanger in the removable end cup. Lightweight all-metal construction. Precision made for dependable service. 6″ long. Uses size "C" batteries (not included). Wt. 3 oz. **E103** **$2.29**

5 **BLEUET BUTANE LANTERN.** One of the best compact lanterns we have yet seen. Uses pressurized cartridges as in the S-200 stove (P. 12). Economy and simplicity of operation; just turn valve and light Lantern will burn for 4½ to 5 hours at full on position. Globe is of frosted glass, providing a bright glare-free light. 12″ high. Wt. 2 lb. 5 oz. with one full cartridge. **E216** **$12.95**

EXTRA BUTANE CARTRIDGES FOR LANTERN. PAGE 43

MANTLES. For above lantern. **E217** ..... **ea./15¢ 3 for 40¢**

6 **FOLDING CANDLE LANTERN.** A well designed lantern in all respects—safety, lightness, illumination and compactness. Mica windows on three sides and hinged door on rear. Folds flat into a compact size of ⅝″ x 2″ x 6″. Size when open is 3″ x 3″ x 6″. Properly vented. Weighs only 4 oz. **E210** **$1.95**

7 **FORESTER HEAD LAMP.** Holds 4 standard size flashlight batteries. Throws a powerful 1500 ft. beam or focuses to a wider light. 2½″ reflector. Battery case (5½″x3″x1½″) will fit in pocket or clip on belt. Head band with lamp attached is elastic and adjustable. Finished in chip-proof green enamel. Wt. 12 oz. without batteries. **E102** **$4.95**

8 **LITTLE WONDER MINI LIGHT.** Amusingly small, but a rugged and versatile performer. Leaves both hands completely free. Whether rummaging in a dark rucksack on a black night, or replacing a fuse at home, this is the perfect light. Elastic band allows it to be used as a headlamp; suction cup makes for fastening on any smooth surface (including yourself); strong magnet will attach light to metal surfaces. Light is mounted on ball and socket to battery compartment, so beam can be swiveled in any direction. 2″ x 1½″ x 2¼″. Wt. 3½ oz. with batteries. Uses 2 std. penlight cells. **E106** **$3.50**

1 **SWISS ARMY KNIFE No. 730.** Large Blade • Nail File • Can Opener • Cap Lifter • Lanyard • Corkscrew • Regular Screwdriver • Awl.
Closed size 3¼"x1"x½". Wt. 2½ oz. **J730**.....**$6.50**

2 **SWISS ARMY KNIFE No. 776L.** Large Blade • Nail File • Scissors • Saw • Firestarting Glass • Can Opener • Screwdriver • Cap Lifter • Tweezers • Tooth Pick • Phillips Screwdriver • Awl • Lanyard.
Closed size 3¼"x1"x⅞". Wt. 4¾ oz. **J776**.....**$13.95**

3 **SWISS ARMY KNIFE No. 727.** Large Blade • Nail File • Scissors • Saw • File • Can Opener • Hook Disgorger and Scaler • Screwdriver • Cap Lifter • Tweezers • Phillips Screwdriver • Awl • Pick • Lanyard.
Closed size 3¼"x1"x⅞. Wt. 4¾ oz. **J727**.....**$10.95**

4 **SWISS ARMY ISSUE KNIFE.** Authentic, sturdy, functional knife as ordered and used by the Swiss Army. Features one 2¾" main blade, can opener, screwdriver, scraper and two inch long punch. Stainless steel parts. Wt. 3 oz. **J701**.....**$5.50**

5 **EXECUTIVE SWISS ARMY KNIFE.** Diminutive size (2¼" long) conceals a variety of useful functions: Pen Blade, Nail File and Scissors are keenly honed and operate with watch-like precision. For fly-tying, manicuring, coupon-clipping, pipe reaming, opening packages . . . for those who need a good knife but don't like an inelegant lump in the pocket. Wt. ½ oz. **J782**.....**$5.30**

1 **SVEN SAW.** Rugged folding bucksaw with tempered Swedish Steel blade. One wing nut secures entire assembly when in use or when being carried. The 20" blade is completely and safely enclosed when saw is folded. The frame is of anodized aluminum and designed for maximum rigidity while being light in weight and easy to assemble. Saw is very fast and will zip through large frozen logs. Carrying size is 23" x 1½" x ½". Wt. 1 lb.
J521.....**$6.50**
Extra blades w/attached stud. **J521/b**.....**$1.60**

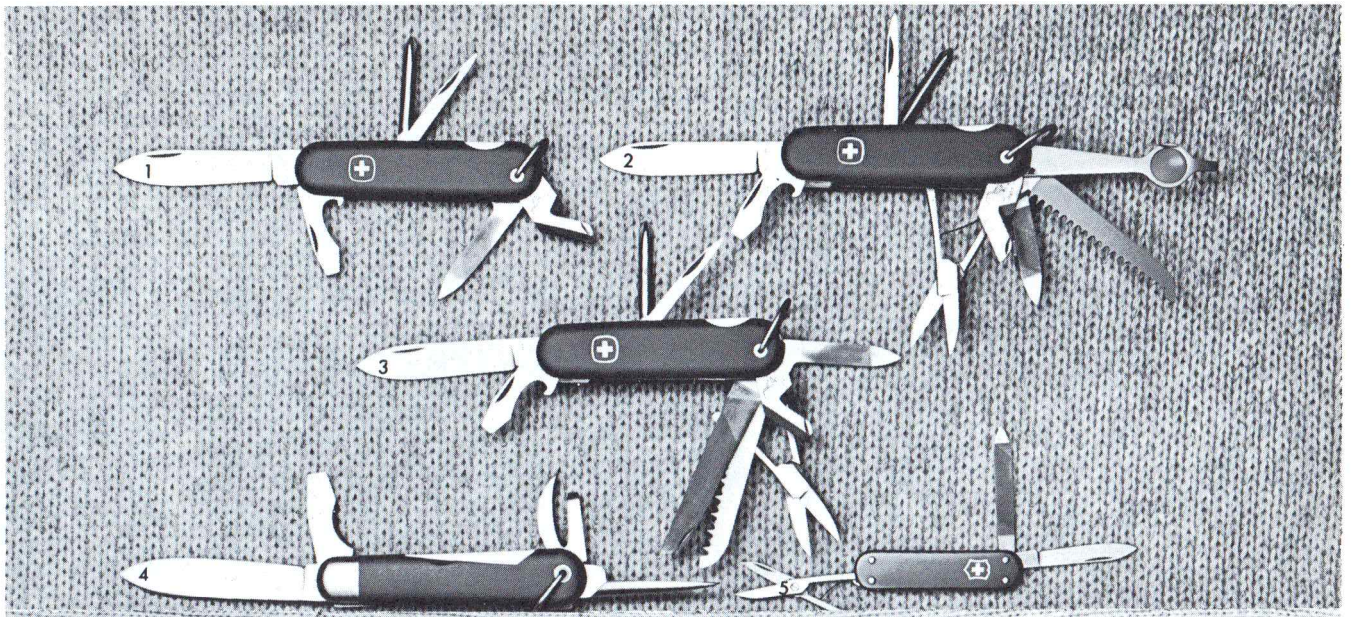
2 **SURVIVAL SAW.** High carbon manganese tool steel blade, with carefully hardened, filed and set high speed teeth. Will cut 16" to 18" snow blocks and green, frozen or dry logs up to 20" at great speed. Ice pick edge used to start hard snow or ice. Back edge has 2" razor edge to use for skinning or emergency knife. Grip is hardened alum. alloy. Red lacquer for easy visibility. Case is of O.D. canvas with reinforced tip and hanger. Folded in case 14½". Assembled 30¼". Wt. 10 oz. **J516**.....**$13.95**

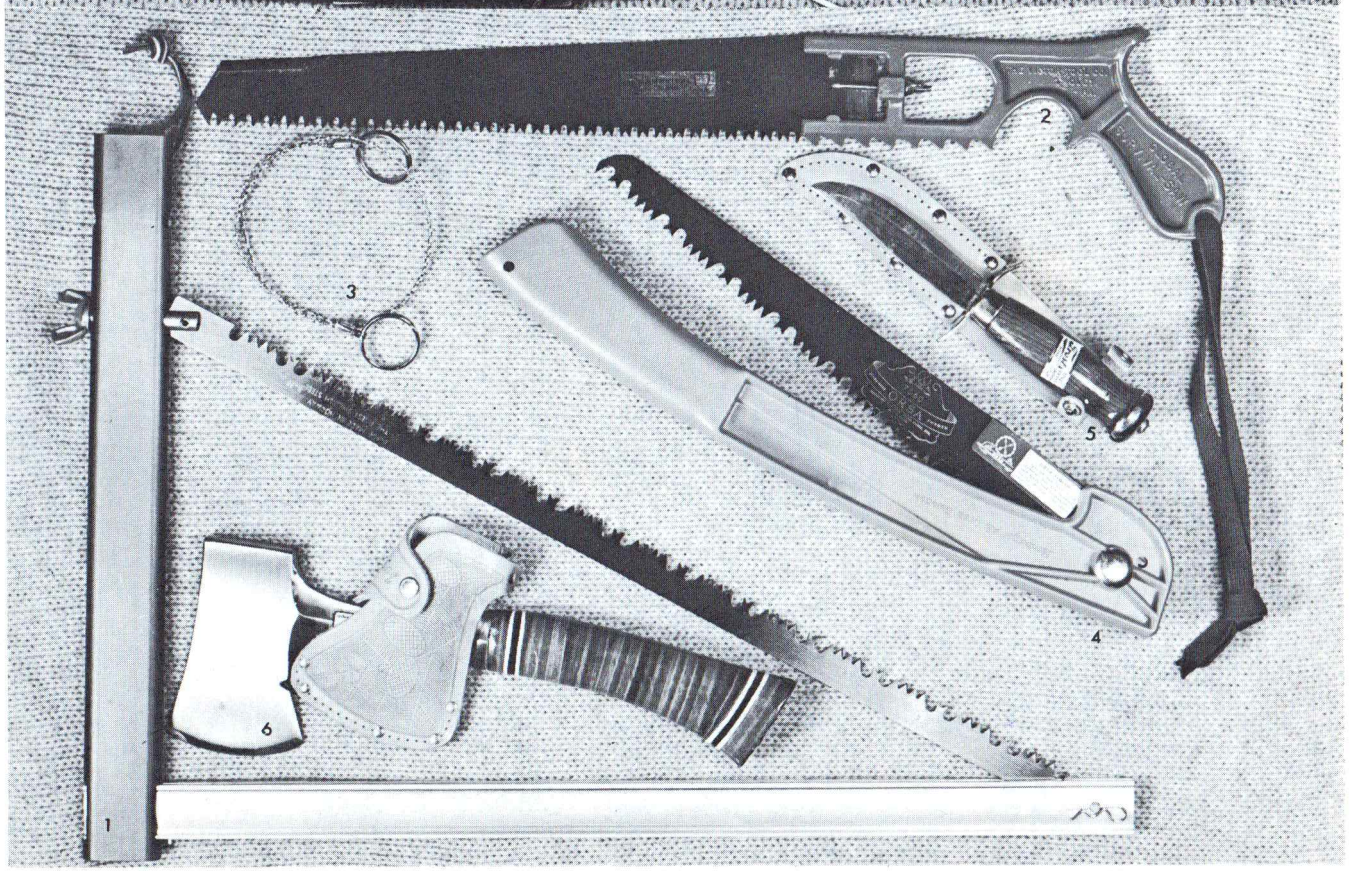
3 **WONDA-WIRE SAW.** A fine item to have in a survival kit. Hardened steel saw weighs only ½ oz., yet saws wood, ice, plastic, masonite, plaster, etc. with ease. Rugged, lightweight, compact and inexpensive, this unique little saw fills a variety of needs. A bow can be cut of green wood and fitted to the end-rings, making a bucksaw for around the camp. **J522**.....**89¢**

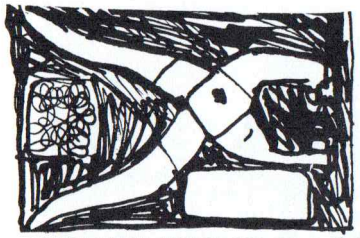
4 **SWEDISH FOLDING SAW.** Leave your hatchet behind and save weight. This saw weighs only 9 oz. and folds up safely in its own handle. 11" blade makes short work of 6" logs. **J500**....**$4.25**

5 **SWEDISH HUNTING KNIFE.** Best quality Swedish tempered steel. Hollow ground blade holds an exceptionally keen edge. Wood grip with steel cap, 4⅜" long blade. Comes with riveted leather sheath and loop for belt. Wt. (including sheath) 5½ oz.
J781.....**$2.95**

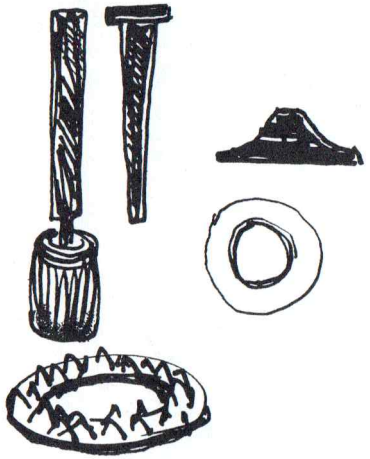
6 **LIGHTWEIGHT ESTWING AXE.** Forged from one piece of tempered steel. Rawhide grip permanently molded to handle. 12" long; cutting bit 2⅞" long. Leather sheath included. Wt. 1 lb.
J511.....**$5.50**







COMBINATION EYELET AND SNAP TOOL KIT. Includes plier tool, with interchangeable parts for eyelet and snap use. Snap and eyelet sets included.
N307 ..... **$1.79**
16 refill snap sets. **N304**..... **.59**
100 refill eyelet sets. **N306**..... **.30**

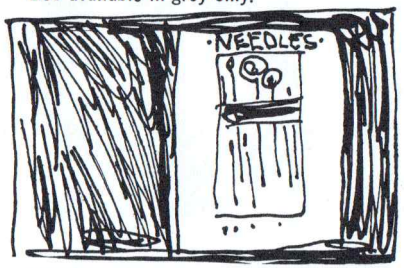


GROMMET SETTING KIT. *Complete equipment for setting grommets, including setting die, heavy duty hole punch, cutting board, 48 plain grommets and instructions. Wt. 1½ lbs.
Size 0 Grommet, ¼″ hole..**N310**.**$3.60**
Size 1 Grommet, 5/16″ hole. **N311**.**$3.80**
*Will not set Spur Grommets.

GROMMETS WITH WASHERS. Plain grommets are lightweight brass, suitable for most purposes. Spur grommets are heavier, have gripping teeth, can be set in webbing, etc.

Plain grommets, size #0 (¼″ hole) or #1 (5/16″ hole). Box of 144. **N350**.**$1.50**
Spur grommets, size #0 (¼″ hole) or #1 (5/16″ hole). Box of 144. **N351**.**$3.50**
Plain Grommets. #0. **N352**..**50 for 75¢**
#1. **N353**..**50 for 95¢**
Spur Grommets. #0. **N354**.**50 for $1.85**
Setting Dies for Spur Grommets.
Size "0". .....**N320**.....**$5.00**
Size "1". .....**N321**.....**$5.50**
Hole punch. Specify size and type of grommet for punch to be used.
N370....**75¢**

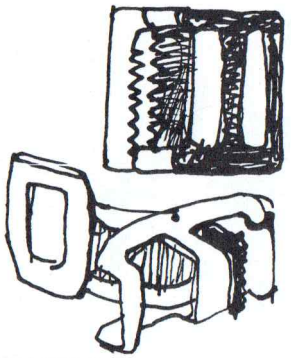
TASLAN NYLON AND DACRON THREAD. Three weights:
Taslan/S23. For down clothing, sleeping bags. 4 oz. spool, 4300 yd. **N223**..**$3.75**
Taslan/S46. Heavier weight. 4 oz. spool, 2025 yd. **N246**.....**$3.95**
Dacron/D69. Heavy duty for tents and packbags. 8 oz. spool, 3000 yd.
N269 .....**$6.75**
S23 and **S46** available in Red, orange, olive, tan and blue.
D69 available in grey only.



NEEDLES. Seven special purpose needles. Two mattress needles, carpet needle, sail needle, packing needle, glover's needle and upholsterer's needle. Rust proof. Wt. ¾ oz. **N207**.....**39¢**

ARIDEX. Wax emulsion. Mix with water and warm. Immerse garment or fabric in solution and iron while damp. Makes 2½ gallons of reusable solution. Packed in reusable plastic container. Wt. 1¾ lbs. **N904**.....**$1.95**

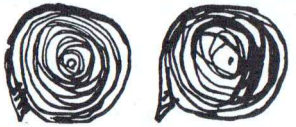
RIP-STOP REPAIR TAPE. 2″ x 25 ft. length of Zeta Nylon cloth with adhesive on one side. Quick repair for rips in clothing, tents, sleeping bags, etc. No heat required. Specify red, blue or green color. 5 oz. **RN900**.....**$2.50**
Per foot .....**15¢**



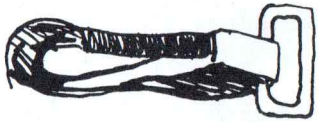
WEB STRAP BUCKLES. For use with heavy cotton webbing or similar material.
Nickel finish. ¾″.**N405**....**10 for 45¢**
1″ .....**N406**....**10 for 45¢**
Heavy-duty: 1½″ Cadium. **N407 Ea. 30¢**
2″ cadium **N408**.....**Ea. 45¢**

QUICK RELEASE BUCKLE. Imported from West Germany. Torsional spring for fast release. For ½″ leather or webbing; Crampon straps, Arlbergs, etc.
N409 .....**Each 25¢**

SYLVANO BUCKLES. For medium weight nylon web. Wt. ⅔ oz. **N417**...**Each 25¢**

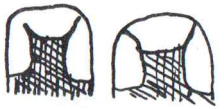


WEBBING. Heavy cotton is necessary for pack straps, waist straps or other high strength webbing requirements. O.D. or tan color as available.
Heavy Cotton. 1″ OD. **HC100**..**foot/9¢**
1½″. **HC112**.....**foot/14¢**
Light Nylon. 9/16″ for strain points on seams, etc. **LN916**.....**foot/5¢**
¾″ white .....**foot/4¢**
Medium Nylon. 1″, OD **MN100**..**foot/6¢**
¾″ white **MN034**.....**foot/4¢**
Heavy Nylon.
2″ for waistbelts. **HN200**.....**foot/23¢**
2″ for safety belt. Dk grey.
HN200/S .....**foot/11¢**



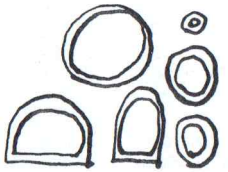
BAG SNAPS. Nickel finish. Single casting with spring steel clip.
⅝″. **N419**.....**Each 17¢**
¾″. **N420**.....**Each 17¢**
1″. **N421**.....**Each 18¢**

DOT RIVETS. Two-piece. Set with hammer. Strong, all-purpose rivet.
N410 .....**20 for 65¢**
Box of 100. **N411**.....**$1.75**



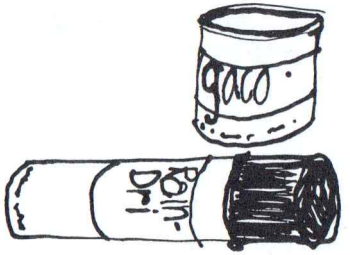
WEB TIPS. Flat type. Can be set by hand (confine sides, and hammer tight), but are best set by use of dies. Nickel finish.
¾″. **N401**.....**10 for 30¢**
1″. **N402**.....**10 for 30¢**
2″. **N403**.....**Each 10¢**

WEB TIPS. Thimble type. Place thimble on end of web and hammer flat. No die needed. Bronze. For 1″ cotton web.
N404 .....**Each 10¢**



DEE RINGS. Nickel plated types are split; aluminum types are unsplit stampings. Dimensions given are inner diameters.
Nickel-plated. ½″. **ND012**...**10 for 35¢**
⅝″. **ND058**.....**10 for 35¢**
¾″. **ND034**.....**10 for 40¢**
1½″. **ND150**.....**10 for 45¢**
Aluminum. ½″. **ND912**.....**10 for 35¢**
⅜″. **ND938**.....**10 for 35¢**
⅞″. **ND978**.....**10 for 35¢**

ALUMINUM ROUND RINGS. Measurement given is inner diameter of ring.
⅜″. **NR038**.....**10 for 40¢**
½″. **NR012**.....**10 for 40¢**



GACO. Real neoprene rubber in liquid form. Can be brushed on to metal, canvas, wood, or rubber. Excellent for painting over broad areas that must be sealed against leakage. Cures to a tough and durable elastic film. Color: grey. Wt. 4 oz. **N902**.....**$1.20**

RAIN-DRI. Instantly waterproofs tents, clothing, sleeping bags, shoes, convertible tops, etc. Easy to use, harmless and quick drying. Colorless. Withstands several washings. Comes in spray can. Net wt. 16 oz. Shipping wt. 20 oz.
N905 .....**$1.98**

SLIDE FASTENERS. For use with 1″ webbing only. Lt. wt. nickel. **N415**..**Each 5¢**
Heavy wt. bronze. **N416**.....**Each 8¢**

SEAM SEALANT. Coating will last lifetime of garment and will not crack or peel. Adheres to most fabrics and vinyl when applied to clean surface. Brush on, dries quickly. Clear. 4 oz. can.
N901 .....**$1.60**

reading

THIS IS THE AMERICAN EARTH, by Ansel Adams and Nancy Newhall. A moving blend of dynamic photographs with stirring text. Emphasizes our heritage of a beautiful America with an inspiring message to preserve that which we are fortunate to have. Format 13½ x 10½″. The photography is extraordinary and is reproduced with painstaking accuracy.
$15.00

maps

Index to U.S.G.S. Maps for California only .....**25¢**

California Topographical quadrangle maps, U.S.G.S. Cover mountain area primarily. These maps should be ordered by name as they appear on the Index. Price each...**50¢**

Complete set of U.S.G.S. Topograhical maps covering the John Muir Trail and related areas from Tuolumne Meadows to Whitney Portal. Includes Yosemite Park map. Wt. 10 oz. Maps shipped rolled **$6.00**

Topograhpic Maps of the Everest Region. Khumbu Himal of Nepal. Includes Mt. Everest, Makalu, Cho Oyu etc. 1:50,000. Contour interval: 200 meters. Compiled by the German and Austrian Alpine Clubs. Wt. 4 oz.....**$1.00**

Topographic Map of Mt. Everest. Mahalangur Himal. Contour interval: 20 meters. 1:25,000. Compiled by the German and Austrian Alpine Clubs. Wt. 3 oz.....**$1.00**

Orders for less than five maps will be shipped with maps folded. Five or more maps will be shipped rolled in a mailing tube.

GUIDE MAPS

Guide to the John Muir Trail. Sierra Club .80
Mount Tamalpais Trail Map.....50
Mount McKinley Topographical shaded relief map. An extremely precise map representing many years of careful survey and research. Printed by the Swiss Federal Institute of Topography $2.00

CANADIAN TOPOGRAPHICAL MAPS

Banff, East **8204**..... .75
Banff, West **8204**..... .75
Lake Louise E/W **82N8**.....ea. .75
Waterton Lakes **MCR211**..... .50
Scale: 1 mile: 1 inch
Yoho **82N/SE** ..... .75
Mistaya **82N/NE** ..... .75
Glacier Park **82N/SW**..... .75
Southwest B.C. **IK**.....1.25
Scale: 3 miles: 1 inch
Bella Coola **93D**..... .75
Butte Inlet **92K**..... .75
Mt. Waddington **92N**..... .75
Rivers Inlet **92M**..... .75
St. Elias **115B/D**..... .75
Scale: 4 miles: 1 inch
Jasper Park N **MCR204**..... .75
Jasper Park S **MCR205**..... .75
Orders for less than five maps will be folded.

U.S.G.S. MAPS OF NATIONAL PARKS

Bryce Canyon ..... .75
Dinosaur Nat'l Mon.....1.00
Glacier Park ..... .50
Grand Canyon East Half ..... .50
Grand Canyon West Half ..... .50
Grand Teton 1.00
Mt. McKinley ..... .50
Mt. Rainier ..... .50
Lassen ..... .30
Rocky Mtn. Park ..... .30
Sequoia/Kings Canyon 1.00
Yellowstone ..... .50
Yosemite Valley ..... .50
Zion (Kolob Section) 1.00
Zion (Zion Canyon) 1.00

readings

MAMMOTH LAKES SIERRA, by Sierra Club. A handbook for roadside and travel **$2.95**

ISLAND IN TIME: THE POINT REYES PENINSULA by Harold Gilliam. This stretch of coast just north of San Francisco has a fascinating history as well as being wildly beautiful. Sir Francis Drake careened the Golden Hind here and amidst the frentic, urban area of San Francisco this shoreline stands ... to now . . . lovely and untouched. Photographs in color and black and white, by Philip Hyde.
Cloth $7.50
Paper $4.95

OFF FOAM. Combines advantages of spray and liquid OFF. Pressurized foam can be applied to clothing or skin. Consumer's Union rates the active ingredient in OFF as most effective repellent. 3.8 oz. net. Total wt. 3.8 oz. **G109**. . **98¢**

OFF AEROSOL. Same repellent qualities as above. Easy application, long lasting. 5 oz. **G109/A** .....**98¢**

OFF INSECT REPELLENT. A clear liquid that repels mosquitos, gnats, etc. Pleasantly scented. One application will last hours. 1½ oz. bottle. **G110**.....**75¢**

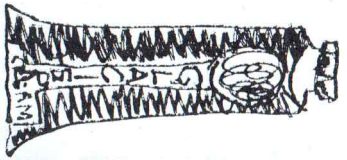
CUTTER'S INSECT REPELLENT. Concentrated formula developed to the specifications of a physician-sportsman. Expensive but good. Plastic squeeze bottle. Wt. 1¾ oz. **G111**.....**$1.49**
Add 10% Federal Excise Tax

6-12 STICK REPELLENT. Comes in metal container. Simply rub on exposed skin. One application gives 6-8 hours protection against insects. Wt. 1½ oz.
G112 .....**69¢**

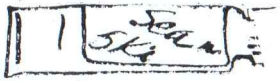
LUBRIDERM LOTION. Recommended for chapping, windburn, relief of sunburn. Flat plastic bottle with flip-close valve. 4 oz. net. **G105**.....**$1.00**

NEO A-FIL. Colorless cream that prevents burning, but allows tanning. Plastic squeeze tube. 1.5 oz. net.
G106 .....**$1.50**

A-FIL SUN STICK. For lips that are sensitive to sun and wind. **G108**....**98¢**



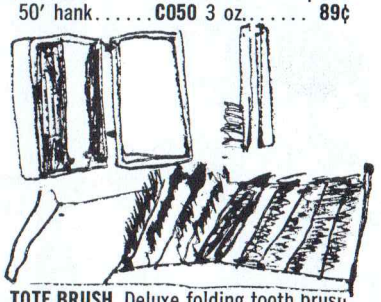
GLACIER CREAM. Red tube prevents burning and tanning at high altitudes. 1 oz. **Red tube. G101** .....**80¢**
Green tube allows tanning, is non-greasy. **G102** .....**70¢**



SEA & SKI. Suntan lotion. Small plastic squeeze dispenser tube. 3¾" long. Weighs less than ¾ oz. .....**4 for 95¢**
G104 .....**ea. 25¢**

DRAWSTRING CLAMP. Spring loaded plastic clamp that will hold drawstrings (up to parachute cord size) on parka hoods, rucksacks, etc. Wt. ¼ oz. **R901**...**60¢**

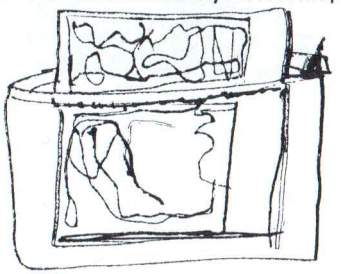
NYLON CORD. All nylon ⅛" cord. Tests about 550 lb.
100' hank.....**C100** 6 oz.....**$1.50**
50' hank.....**C050** 3 oz..... **89¢**



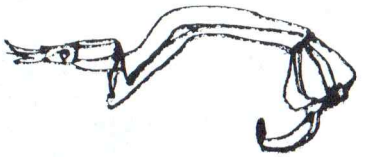
TOTE BRUSH. Deluxe folding tooth brush. Comes in plastic case with tooth paste. Folded size 3¾" long. Wt. 1¼ oz.
G202 .....**$1.00**

TWINCO "SLIDAWAY" BRUSH. Lightweight compact nylon brush. Folds into a flat 4" x 2¼" x ⅜". Weighs only 2 oz. **G205**.....**$1.25**

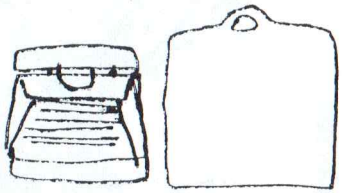
UTILITY POUCH. Flat plastic pouches for keeping small items together and dry. Clear plastic with slide closure. Ave. wt. 1 oz. Four sizes:
12" x 16" .....**G206/1216**....**60¢**
9½" x 13" .....**G206/913**.....**45¢**
8" x 11" .....**G206/811**.....**35¢**
6" x 9" .....**G206/69**.....**25¢**



CLEAR CONTACT PLASTIC FOR MAPS. Transparent plastic sheeting with adhesive on one side. Will protect maps against damage from water or wear. Merely remove paper backing from plastic sheet and apply to map surface with slight pressure. Gross weight with backing: 4 oz. per yard 18" wide...**55¢ yd.**



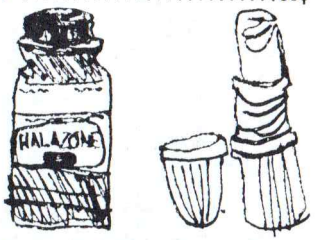
GLASS GARD. A must for the active person who wears glasses. Fastens simply and securely on your glass frames. Adjustable elastic band keeps glasses safely in place. Wt. ¼ oz. **E510**. .**$1.00**



METAL MIRROR. Highly polished. Has hole for hanging. Pocket size 3" x 4". Wt. 2½ oz. **G201** .....**30¢**

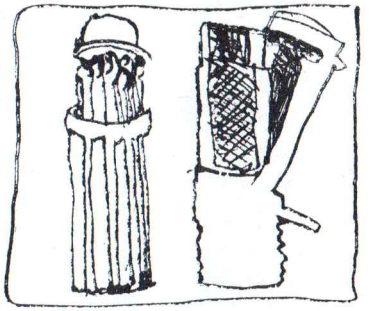
PLASTIC SOAP DISH. Made of durable plastic. Has hinged lid and lock to keep it closed. Size 4" x 2¾" x 1½". Wt. 1¼ oz. **G204** .....**26¢**

COTTON MOSQUITO NET. Best protection from mosquitoes, gnats. Brand new Army surplus. O.D. color. Wt. 3¼ oz.
G114 .....**59¢**



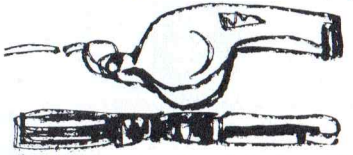
SNAKEBITE KIT. The famous Cutter snakebite kit. Consists of three suction cups, vial of antiseptic, lymph constrictor, and knife blade. An important item for all campers. 1" diam. x 3". Wt. 1 oz.
E509 .....**$2.98**

WATER PURIFICATION TABLETS. Kills most germs and bacteria within 30 minutes. A must for health protection. One small bottle contains 100 tablets.
G113 .....**55¢**



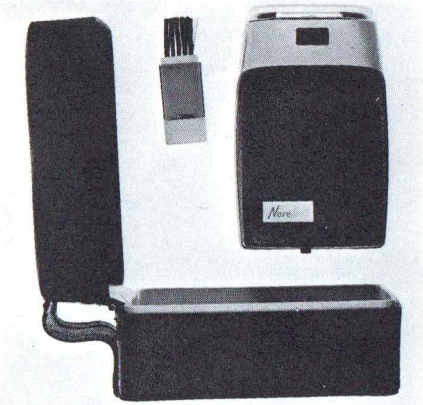
MARBLES MATCH BOX. Made of seamless drawn brass with rough surface match scratcher on sides. 2¾" x 1". dia. Wt. 1 oz. **E507** .....**$1.75**. .

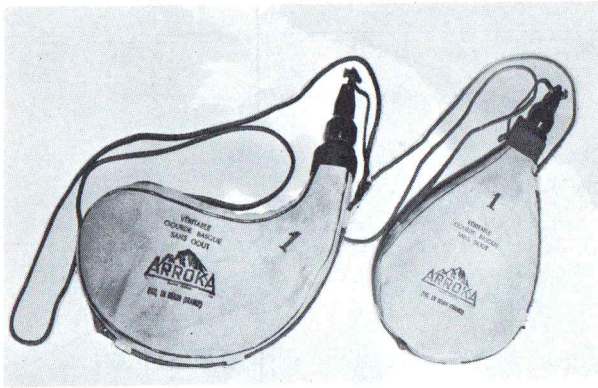
PLASTIC MATCH BOX. Waterproof hard plastic matchbox. Color: O.D. Cork gasket, striking flint. Size 2¾" x 1" dia. Wt. ¾ oz. **E506** .....**45¢**

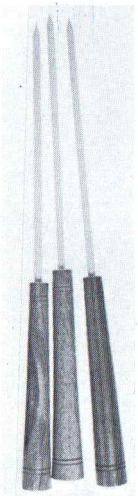


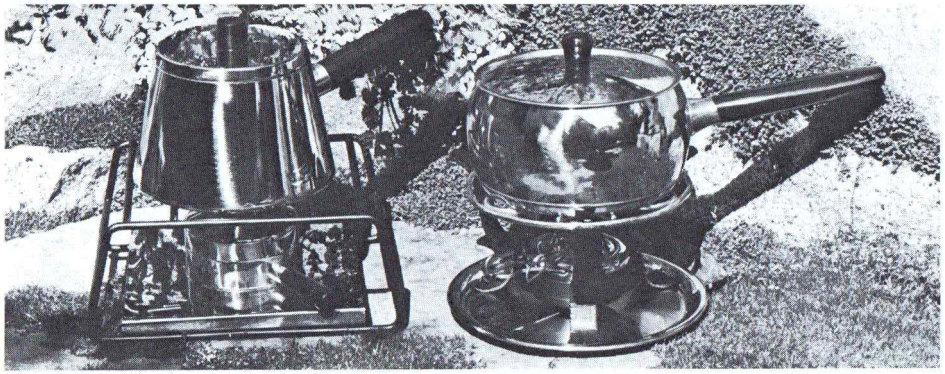
BELT HOOK. A sturdy nylon strap with swivel snap hook for attaching cups, canteens, etc., to the belt. Wt. 1 oz.
A122 .....**70¢**

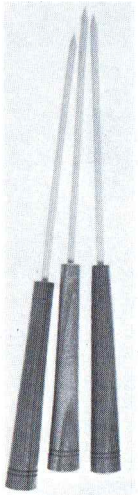
PLASTIC WHISTLE. A must for safety in the mountains. Ivory color. Wt. ½ oz.
E503 .....**30¢**

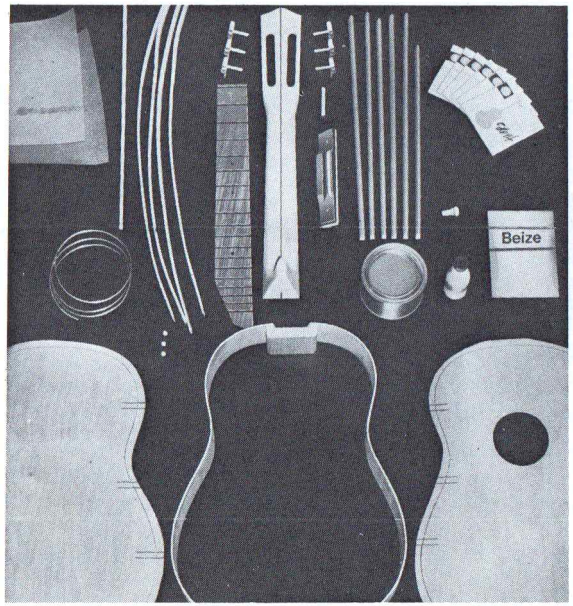


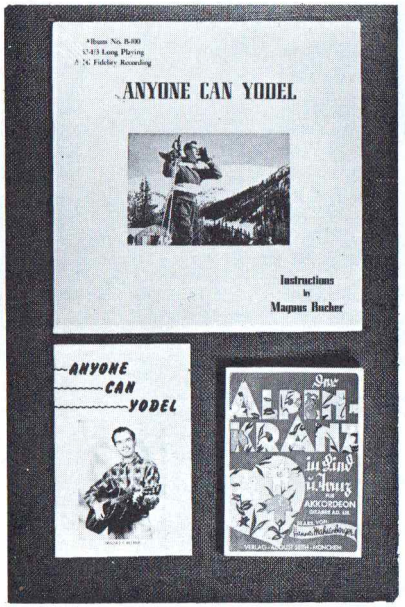












ALARM WRIST WATCH. Swiss made. Sweep second hand. Stainless steel case. 17 jewels. Antimagnetic incabloc. Unbreakable mainspring. Buzz alarm will run for 15-seconds. Leather wrist band. Watch size 1⅜" Dia. x ⅜". Wt. 1½ oz. **J105**.....**$39.50**

NORELCO CORDLESS SHAVER. Norelco shavers are known for their high quality, performance and service. No cord, no recharger, runs on four pen-light batteries. Twin rotary shaver heads with 12 self-sharpening blades. High speed self-lubricating motor; snap-open travel wallet with built-in mirror; fliptop cleaning. Unbeatable for travel, desk, car or boat. One year warranty. Wt. 12 oz. w/o batt. **G300**.....**$18.95**
Heavy-drain Manganese Pencells ea. ..... **50¢**
Four for **1.95**

AUTHENTIC BASQUE WINEBAGS. Made of natural, tan colored leather. Lined with tasteless clear coating to protect contents. Trimmed in bright red piping and fitted with red sling cord. The contents can either be poured from the filler spout or squirted in a fine stream. French import.
1 Qt. Teardrop shape. 5 oz.....**U682**.....**$5.00**
1½ Qt. Teardrop shape. 6 oz.....**U683**.....**$6.00**
1 Qt. Kidney shape. 5 oz.....**U680**.....**$6.00**
1½ Qt. Kidney shape. 6 oz.....**U681**.....**$7.00**

CONTEMPORARY COPPER FONDUE SET. A strikingly handsome Fondue set made in Switzerland. Heavy gauge copper pot of contemporary design (1¼ qt. capacity); black wrought-iron stand and copper base plate with copper alcohol stove. Inside of pot is polished silver finish. Skewers provided. You will find it a delight to prepare and serve Fondue dishes at your table. See food pages for Fondue made of Swiss & Gruyere cheeses with Kirsch. Wt. 5 lbs. 2 oz.
U191 ... *left*.....**$27.50**

TRADITIONAL SWISS FONDUE SET. For Fondue dishes. At your own table. Each guest prepares his own serving by dipping tender pieces of cubed beef into the hot oil contained within the pot. Set consists of brass alcohol stove, iron tripod, brightly polished solid copper pot with silver plating on inside (1¼ qt. cap.), handsome brass base plate, and skewers for four. A beautiful set that would also make an ideal gift. Wt. 4¾ lbs. **U190**....*right*.....**$24.50**

GUITAR KIT. Only the simplest woodworking tools are required to assemble this fine German guitar. Parts are pre-formed, the more complicated bending operations are done for you. C-clamps, small chisel, coping saw, files will suffice. This is not merely a beginner's instrument, but a good folkstyle guitar. Shipping wt. 6 lb. **J999**.....**$22.50**

"ALPENKRANZ" YODEL SONG BOOK from Austria. In German. 150 pages of well-known Austrian folk-songs, many of them with yodel accompaniment. Music written for guitar. Twelve yodel lessons with discussion of technique. Brighten your mountain trips with these lively Austrian songs. **$1.75**

ANYONE CAN YODEL. LP record teaches the fine points of yodeling. Entertaining with a variety of yodel tunes. **$5.00**

ANYONE CAN YODEL. Comprehensive self study of yodeling in booklet form.....**$1.00**

ZIPPERS.
Nylon Chain. Equivalent to #5 metal chain.
Non-Separating Zippers.
30″ DP **$1.50**
47″ DP **2.25**
72″ DP **3.50**
Separating zippers.
24, 26, 28″ SP for jackets.... **1.25**
72″ DP for sleeping bags..... **3.75**
Pocket type, closed end 9″..... **70¢**
11″..... **80¢**
Metal Chain. #5 Size.
Non-Separating Zippers. Size # 5.
One end closed.
10″ SP, Locking Slider, Brass Teeth ..... **25¢**
30″ DP, Nickel Silver Teeth, 1½ oz. ..... **60¢**
Separating Zippers, Size #5.
For Parkas, Sleeping Bags, etc.
72″ DP, Nickel Silver Teeth, 4 oz. **$1.50**
100″ DP, Brass Teeth, 5½ oz... **$1.75**
125″ DP, Nickel Silver Teeth, 7 oz. **$2.50**
Pocket Zippers, closed ends with chain pull. 10″ ..... **30¢**
SP Single pull. DP Double pull.

GROMMET TABS. Use for attaching to plastic tarps. Set comes in adhesive backed plastic tab. Package of 8.
N206 ..... **98¢**

VISQUEEN CLAMPS. For attaching lines to plastic tarps. Rubber ball fits in metal wire frame. Package of 8.
N207 ..... **98¢**

ZIPPERS MADE TO ORDER. Double pull slider. Equivalent to #5 chain. Grey color. ..... inch. **.04¢**

STANDARD SPEEDY STITCHER SET. For sewing any heavy material, including leather, canvas, rubberized fabrics, etc. Lock stitch. Kit contains: Stitcher with bobbin loaded with nylon thread, 3 needles (1 light strength, 1 heavy and 1 heavy curved). Wt. 3½ oz.
N201 ..... **$1.75**

DELUXE SPEEDY STITCHER SET. This set includes, in addition to the complete set described above, 180 yards of nylon thread and 3 spare needles. Wt. 7 oz.
N202 ..... **$3.25**

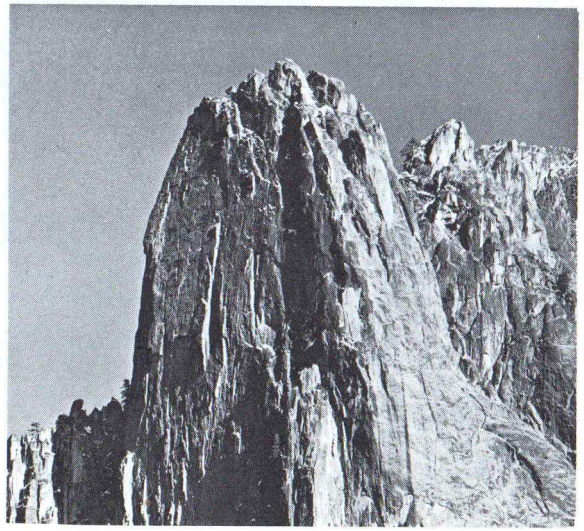
EXTRA THREAD FOR SPEEDY STITCHER.
Comes in 30 yard skeins:
Fine Nylon. ..... **N203**..... **25¢**
Heavier Nylon. ..... **N204**..... **35¢**

EXTRA NEEDLES
light **N205/l**
heavy **N205/h**
heavy curved **N205/hc** ..... ea./**15¢**

SLEEPING BAG, TENT AND CLOTHING MATERIALS

FABRIC		Wt. Oz. Per Sq. Yd.	Coated	Water Repellent Treated	Width, Inches (Add 1″ Tolerance)	Thread Count Per Inch	Tear Test In Lbs. (Ave.)	Air Porosity Cu. Ft. Per Min.	COLORS	USES	Price Per Lineal Yard
NYLSURF, Urethane coated	**CN106**	5.1	yes	—	45	108	50	nil	Black	Tent floors/stuffsacks	**2.75**
NYLPORT, Urethane coated	**CN104**	3.3	yes	—	44/45	112x90	3.2	nil	Beige	Raingear, tent floors	**1.98**
URETHANE NYLON DUCK	**CN107**	7.8	yes	yes	40/41	105	52	nil	Sage Green, Red	Packs/Duffles	**3.50**
REEVAIR (N)	**CN103**	3¼	yes	—	44/45	135x66	7	nil	Royal Blue/Orange	Ponchos/Parkas/Tarps/Tents	**2.50**
NYLTOWN, Urethane coated		3.53	yes	—	44/45	211	15	nil	Navy Blue	Tent floors (where heavy coating is needed)	**2.25**
VENTILE (C)	**C121**	5	no	yes	36	334	6	1.00	Blue, Orange, Lichen Green	Parkas/windproof clothing/tents	**3.75**
SUPERNYL (N)	**PN112**	2.5	no	yes	45	254	7	1.37	Blue, Red, Range Green	Sleeping bags/down jackets/tents	**1.60**
RIPSTOP 15 (N)	**RN118**	1.5	—	—	38	198	6	2.2	Blue, Red	Sleeping bags, garments	**2.20**
RIPSTOP 20 (N)	**RN119**	2.0	—	yes	44/45	—	8	—	Blue, Green, Orange	Tents/garments	**1.85**
TENAYA CLOTH (N)	**PN113**	1.5	no	yes	38	244	4	2.1	Blue, Red, Orange	Sleeping bags	**2.00**
CASCADE NYLON	**PN109**	4	no	yes	44/45	140	15	.75	Bronze	Tents/parkas/overboots/gaiters	**2.35**
NYLON MESH	**NM126**	7.5	—	—	31	—	—	—	Sage Green	Mesh panels on pack frames	**4.00**
NYLON NETTING	**NN127**	1	no	no	35	—	—	—	Charcoal	Mosquito doors/sleeping bag baffling	**.86**
HEAVY DUTY NYLON	**PN111**	6.5	no	yes	40	152	40	2.4	Medium Blue Sage Green	Packs/pack frame back bands/cots	**2.75**
EXTRA HEAVY-DUTY NYLON	**PN110**	9.0	no	yes	50½	120	52½	2.3	Spruce Green	Packs/Duffles	**2.75**

Note: The above table, although incomplete, will serve as a guide. Under the column listing of FABRIC the letter (N) means NYLON, (C) means COTTON.



DOWN FILLING, in extra fill quantities, can be added to most models of Trailwise Bags at time of ordering. It is recommended that the extra fill does not exceed ½ lb., otherwise the down will pack without further gain of thermal efficiency. Additional filling in ½ lb. and 1 lb. units may be purchased at the following rates. Down comes packed in plastic bags.
Premium White Goose Down
Grade AA ..... 1 lb./**$16.00;** ½ lb./**$8.50**
Premium Gray Goose Down
Grade A ..... 1 lb./**$14.50;** ½/lb. **$8.00**

KODEL BATTS. A polyester insulative fiber. Fiber is bonded with a light application of plastic spray to minimize lumping and slippage. Rated better than Dacron; has better loft because of bonding. 60″ wide. Wt. 8 oz. per lineal yard.
1″ thick ..... 2 yd. Batt **$3.95**
4 yd. Batt **$6.95**

ENSOLITE TYPE M. A unicellular foam material noted for its insulating efficiency and shock absorbing quality. Will not soak up water like foam rubber. Recommended uses: padding under sleeping bags, insulation for any article of wearing apparel or shoulder pads. Available in full sheets 42″ x 56″ or half sheets 42″ x 28″. The sheets may be laminated with any good quality adhesive to form any thickness desired.

Thickness	Full Sheet	Half Sheet
⅛″	**NE118 $ 5.00**	**NE018 $3.25**
¼″	**NE125 $ 8.25**	**NE025 $5.00**
⅜″	**NE138 $10.75**	**NE038 $6.00**

VELCRO TAPE. A non-metallic tape that can be used more effectively than zippers for certain closure applications. By merely pressing tape together a secure draft free closure is obtained. Washable. Good holding power and long life. Colors: pale blue, green, charcoal and beige. ¾″ width. Wt. per yard approx. 1 oz.
NV304 ..... **50¢**/ft.

POLYETHELENE SHEETING. Lightweight 3 mil gauge sheeting suitable for making your own emergency shelters, tarps, groundsheets, ponchos, etc. This sheeting comes 8 feet wide. Wt. approximately 6 oz. per running yard. Price per running yard (24 sq. feet).. **NP010**..... **75¢**

books

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Award winning books that combine eloquent texts with first-rank photography. For those who cherish both wilderness and the bookmaker's art.

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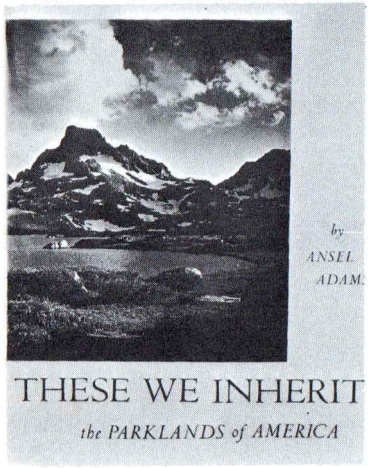

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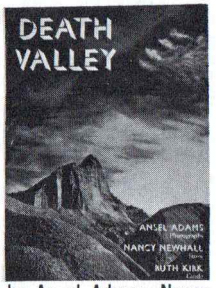

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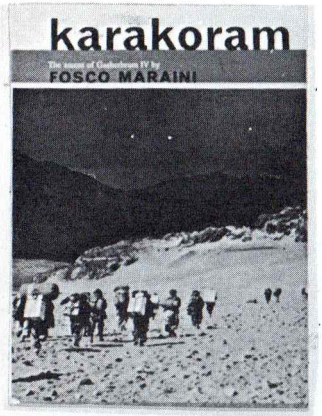

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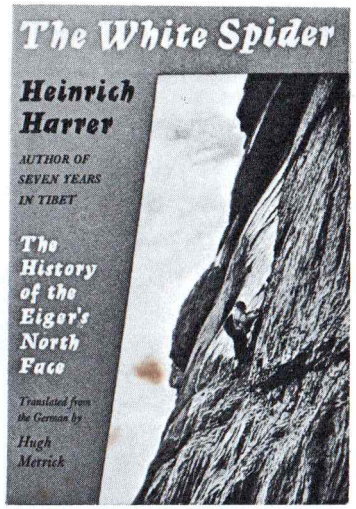

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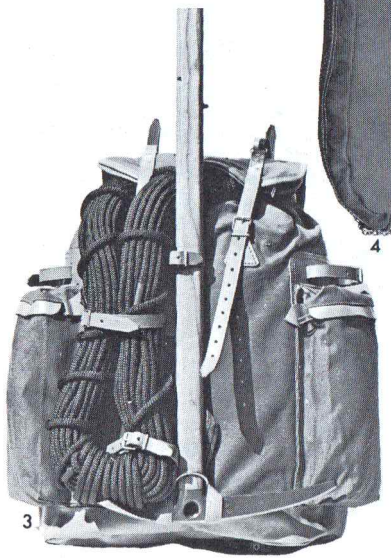

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1 **BERGANS MODEL 186 RUCKSACK.** This model sets the standard for fine rucksacks. Strong canvas sack approximately 18″ deep, mounted on a tubular steel frame. "D" shape bottom is approximately 6″ x 19″. Three outside pockets with flaps bound with soft leather. Large outside pocket has zipper closure on inside of main flap and measures 8″ x 13″ x 2½″. Side pockets about 2½″ x 5″ x 11″. Shoulder straps are soft chrome leather which retains its shape after years of use. Color is Grey. Two frame sizes:
Men's 17″. Wt. 4 lbs. **R303/M**.....**$25.00**
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2 **BERGANS SVIPPTUR MODEL 27.** A popular lightweight rucksack for day trips. Sack size 12″ x 14″ x 5″. Outside center pocket 12″ x 8″ x 2¼″. Two side pockets 4″ x 10″ x 1½″. Lightweight frame has broad top and extends under bottom of sack for protection of sack. Bergans quality canvas and chrome attachments. Wt. 2¼ lbs. **R302**.....**$15.00**

3 **LA FUMA SKI-MOUNTAINEERING PACK.** Genuine leather bottom and attachments. Equipped with hauling ring and complete with straps for carrying ice axe and crampons. There is also provision for carrying skis through tunnels under side pockets. The strong canvas sack is attached to a light, flexible frame. Color is tan. Sack size 18″ x 4½″ x 22″ high. Complete with waist strap. Wt. 4½ lbs. **R504**....**$29.75**

4 **NYLON BELT POUCH.** A very convenient item to carry on all outings. Allows immediate access to snacks, glasses, first-aid material, cosmetics or whatever. Made of very strong Urethane coated nylon duck; a fabric that is waterproof, longwearing and light. Nine-inch zipper with pull tabs at ends, and belt loops for attachment. Measures 4½″ x 7½″ x 2″. In Red or Sage Green. Wt. 2 oz. **R113**.....**$2.95**

5 **STUFF BAGS.** Made of lightweight, coated waterproof nylon. Draw cord closure. Round bottom. An assortment of sizes for stuffing of different size sleeping bags, apparel, etc.
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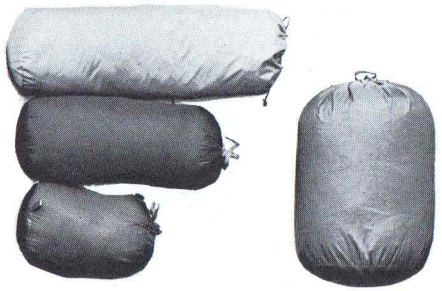

6 **TRAILWISE TOURING PACK.** Medium capacity pack for those who travel light on weekend tours or knapsack trips. A square pack with narrow profile that rides close to the back. Made of tough Urethane coated nylon duck. Full bottom of chrome tanned leather, two large outer pockets, axe carrier, hauling loop, accessory strap patches, waistband and ensolite padded shoulder straps. Measures 18″ x 7″ x 10½″. Colors: Red, Sage Green. Wt. 19 oz.
R101.....**$19.50**

7 **TRAILWISE MOUNTAIN PACK.** Lightweight and compact, this pack is ideal for rock-climbing, skiing, or for a day's outing. Standing height is 16″; the bottom measures 6½″ x 13″; and the pack weighs only 14 oz. Pack is divided into an upper and lower compartment, each with zipper closure. Full bottom of water repellant chrome-tanned leather. Sack is of waterproof heavy-duty Urethane coated nylon duck. 2″ wide ensolite padded nylon shoulder straps with adjustment. Has ice axe and hauling loops and accessory strap patches on bottom. Colors: Sage Green or Red. **R102**.....**$16.50**

8 **TRAILWISE SKIER'S BELT BAG.** Combines the most desirable characteristics of lightness, strength and waterproofness. Made of Urethane coated nylon duck, with adjustable belt of nylon web. Side zipper opening for best protection against snow or rain. Seams have white piping and bag is contoured to fit body. A very handy bag for ski or hiking accessories; camera, lunch, wax, goggles, etc. Colors: Sage Green, Red or Black. Size 12½″ x 4½″. 6 oz.
R118.....**$6.95**

LIGHTWEIGHT SKIER'S BELT BAG. Similar to above. Constructed of black Nylsurf, a lighter weight waterproof fabric. Wt. 4 oz.
R118/N.....**$5.50**

9 **TRAILWISE KNAPSACK.** Popular knapsack of water repellent canvas. Two outside packets are closed by zipper. The main flap is held closed by a bag snap. Web shoulder straps are adjustable. Fastenings are riveted and leather reinforced. The sack has a draw cord at top for closure. 32″ circumference at top. Bottom dimensions are 16″ x 6″. Sack is 14″ deep. Adjustable waist strap. Choice of color: Red, Pearl or Green. Please state second color choice. Wt. 17 oz. **R501**.....**$5.50**

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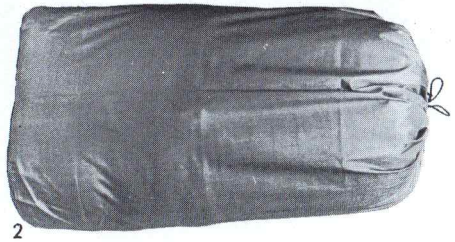

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1 **TRAILWISE NYLON ZIPPER DUFFLE:** Strong, light and made of waterproof fabric, this handsome duffle is made of a Urethane coated heavy Nylon duck. Full length nickel-silver zipper; white piping on seams; generous dust flap under zipper; and wrap-around nylon webstrap handles to eliminate localized strain of fabric. Handle on one end. Colors: Sage Green or Red as available. Measures 14″ x 30″. Wt. 19 oz.
R119/N **$11.50**

ZIPPER DUFFLE BAG. Features wrap around web strap handles, eliminating localized pull on canvas. Dust flap under zipper. Web strap handle sewn on one end. Army Duck. Color: Spruce Green. Size 14″ x 29″. Wt. 1 lb. 10 oz.
R119/C ..*no photo* **$7.95**

2 **WATERPROOF DUFFLE BAG:** Ideal for river trips or for travel in wet country. Inexpensive and designed for a variety of uses. Made of OD rubberized cotton fabric. All seams are sealed. Draw cord closure. Round bottom. 15″ x 30″. Wt. 17 oz. **R511** **$1.75**

3 **ALP SPORT EIGER STANDARD. MOD. 100.** For overnight hikes and extended rockclimbs; capacity about 30 lbs. Anyone who packs light should need no more than this pack—for comfort and toughness. Both bottom and top are raked upward to prevent sagging of the load. Removable aluminum stays can be bent to conform to your back. The 7″ x 14″ bottom is of the finest leather; the shoulder straps are leather, padded with felt. The pack is 19″ high, with two side pockets 5″ x 10″ x 2½″, and a lid-pocket 11″ x 12″ x 3″. Made of 8 oz. Urethanecoated waterproof nylon duck throughout, with heavy-duty nylon pocket zippers. Wt. 29 oz. **R203** **$25.50**

ALP SPORT SKI-MOUNTAINEERING. MOD. 110. Exactly the pack above, but with pockets for skis between the pack itself and the side pockets. Slots reinforced with leather facing. Wt. 34 oz. **R204** **$27.50**

4 **JUNIOR KNAPSACK.** For the children. A small knapsack (11″x12″) made of good quality canvas. There is one patch pocket located on the outside, but under the flap. The lightweight web shoulder straps are adjustable and the waist strap is also adjustable. Colors: Red, Green, Sage. Wt. 14 oz. **R500** **$3.50**

5 **LA FUMA COMBINATION PACK.** For year around mountain sports. Full leather bottom. Tunnels under pockets for carrying skis. Hauling ring, ice axe barrier and crampon straps. Two outside pockets and a zipper pocket in flap. Size: 22″ x 17″ x 5″. Wt. 4½ lbs. Color is Grey.
R301 ..... **$34.95**

6 **ALP SPORT YOSEMITE SPECIAL. MOD. 130.** The Yosemite Special is specifically designed for hauling with the least possible danger of having the pack hang up on the rock. Pack is tubular. Nylon web straps on each side form a loop at the top to which a hauling line is attached. Pack is reinforced with nylon web and has a durable double bottom of nylon duck and leather. Can be carried in complete comfort as a regular pack. It is 21 inches high with a 7 x 13 inch bottom. There are two interior side pockets 10″ by 4½″ by 2½″, and a rear pocket 9″ by 15″ by 2″ to provide for padding against the back. Comes complete with 2 strap holders and a non-catching ice axe carrier. Waterproof Urethane nylon duck. Wt. 31 oz.
R205 ..... **$20.00**

7 **ALP SPORT ROCK CLIMBER'S STANDARD. MOD. 80.** This teardrop shaped pack has a ten to fifteen pound capacity. The pack is narrow at the top, with no outside pockets, prevents hangups in close quarters. The two compartments, each with a "Wing Sweep" zipper, allow you to distribute the load evenly. Pack is 16 inches high. The rectangular leather bottom measures 5½ by 11½ inches. Nylon waist strap extends to 41 inches. An ice axe carrier, 2 accessory strap holders and a nylon hauling handle are all installed on pack. Nylon Duck. 22 oz.
R201 ..... **$15.50**

MOD. 90. Same design and shape as the above pack, but on a larger scale. Holds almost twice as much! Bottom 13½″ x 6½″. Height 18″. Waterproof Urethane nylon duck. Wt. 24 oz.
R202 ..... **$17.50**

8 **CRUISER SKYLINE PACKSACK.** Offers all the conveniences of a top-line packbag, and fits in seconds to the Cruiser Frame. Made of waterproof, mildew-resistant Urethane-coated nylon duck. Four side pockets, large back pouch, and a map-pocket; plus partition inside the pack—all with zipper access for easy distribution of your gear in an optimum way. Spreader bar holds pack open at the top and keeps load from sagging. Color: Green or Red. Large Skyline Packsack: 15″ wide, 22″ high, 8″ deep. Wt. 27 oz. **R402/L** **$19.95**
Medium Skyline Packsack: 15″ wide, 18″ high, 7″ deep. Wt. 25 oz. **R402/R** **$19.95**

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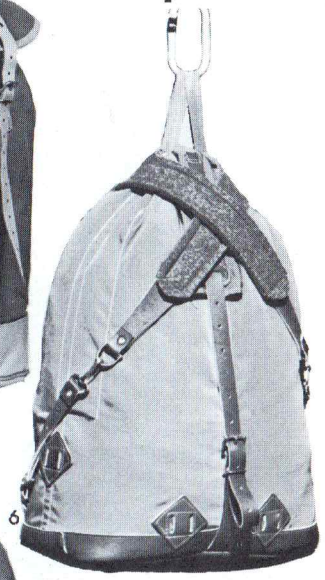

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pack frames

1 **CONTOUR FRAME MODEL 500.** This lightweight contoured frame is made of high quality aluminum alloy tubing with all joints welded. The contour conforms to the back and keeps the loaded frame close to the body. The extended height of the frame makes it possible to carry the load high and forward. Fully adjustable 3″ wide shoulder straps are padded with ⅜″ ensolite. Nylon back bands. Each frame comes with an adjustable heavy-duty nylon waist strap. Wt. 2 lbs. 5 oz. 3 sizes (see below).
Frame **$22.50**
Frame with 72 or 87 Trailwise Pack **$42.95**

2 **CONTOUR FRAME.** Bare aluminum (alloy) frame without any attachments except plastic caps on ends. Small, regular or large. Wt. 1¼ lbs.
R122 ..... **$10.00**

3 **HEAVY-DUTY WAIST BELT.** Eases shoulder loading by transferring bulk of weight to hips. Full circle design adjusts 80% of weight to hips and distributes weight around the circumference of the hips. Made of heavy 2″ nylon web strap, wt. 5½ oz. Specify size: **R108/L** for Large frames, **R108/R** for Reg. or Small frames. **$2.25**

4 **SHOULDER YOKE ASSEMBLY.** Fully padded with ⅜″ ensolite and outer material is nylon duck. Includes one pair of Clevis straps (R109) and fastening pins. Wt. 10 oz. **R103**..... **$11.95**

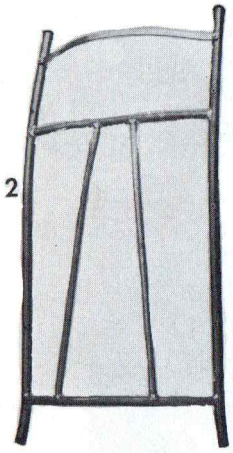
5 **CLEVIS ATTACHMENT.** For attaching 1″ straps to ¾″ tubing. Complete with pins and keeper rings. One pair. Wt. ¾ oz. **R109/a**..... **70¢**

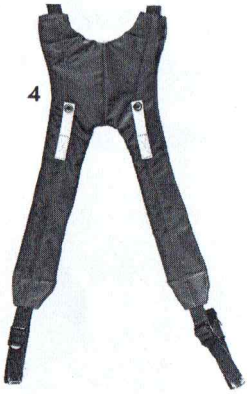
NYLON MESH BACK. Strong gauge nylon mesh reinforced along edges with solid nylon fabric. Grommets installed along edges and corners for lacing to frame. Lace included. Two sizes: Large (to fit Large Trailwise, or similar frame) 12″ x 17″; wt. 3½ oz. **R104/L**..... **$5.75**
Regular (to fit Reg. or Small Trailwise frame) 10½″ x 15″; wt. 3 oz. **R104/R**..... **$5.75**

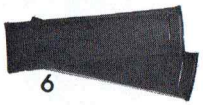
6 **SHOULDER PADS.** ⅜″ thick ensolite: firm, comfortable padding covered with nylon duck. For straps up to 2¼″ wide. 10″ long; wt. 1½ oz.
R107 ..... pair **$1.95**

PADDED SHOULDER STRAP ASSEMBLY. 2½″ wide shoulder straps that are padded with ⅜″ ensolite. For Trailwise frames or can be adapted to other frames of suitable size and type. 1″ web from pad to point of attachment at frame bottom. Grommet at top of pad for attachment to frame. Complete with slide adjusters and Clevis straps, pins and keeper rings. Overall length of assembly is 32″. Padded section 12″ long. Wt. 5 oz. pair. **R106**...no photo . **$4.25**

ELASTIC SHOCK CORD LOOP. For attaching sleeping bag case to frame on Model 87 pack. Wt. 1½ oz. **R117** ...no photo ..... **50¢**







7 **CONTOUR FRAME MODEL 502.** This model has an Ensolite padded yoke which gives a very good weight distribution across shoulders and neck. The cushioned yoke reduces the localized pressure on shoulders inherent in all ordinary shoulder strap suspensions. In addition to the adjustable yoke, other features include the full mesh nylon back and the Nylon Heavy Duty Waist Belt (see description under pack frame parts) which transmits nearly entire load to hips when desired. Wt. 2 lbs. 10 oz. 3 sizes (see below).
Frame **$29.75**
Frame with 72 or 87 Trailwise Pack **$49.95**

MODEL 500/502 FRAME SIZES

Frame	Your Height	Dimensions
Small	5′ 0″ to 5′ 6″	14½″ x 27½″
Regular	5′ 6″ to 5′ 9″	14½″ x 29″
Large	5′ 9″ to 6′ 4″	16″ x 30½″

8 **CRUISER #440 PACKSACK.** Made of durable cotton duck, khaki in color. Two side pockets and one back pocket with tie-down cords. Sack fits on Cruiser frame in seconds. Two sizes fit the equivalent frame size.
Large #440 Packsack: 14″ wide, 22″ high, 7″ deep. Wt. 20 oz. **R401/L** **$8.00**
Regular #440 Packsack: 14″ wide, 18″ high, 6″ deep. Wt. 18 oz. **R401/R**..... **$8.00**

CRUISER CONTOURED ALUMINUM FRAME. Low cost serviceable model aluminum frame with welded joints. Shoulder straps are 2″ wide, padded, and nylon-covered. Back bands are 4½″ wide, of heavy cotton duck. This frame is superior in comfort to any other frame in its price range that we know. Two sizes: Large, for people over 5′5″; Medium, for those under 5′5″. Weight: 34 oz.
Large Cruiser Frame: **R400/L**..... **$11.00**
Medium Cruiser Frame: **R400/R**..... **$11.00**

WAIST STRAPS for Cruiser frames. **R110**. . **$2.00**

related reading

GOING LIGHT WITH BACKPACK OR BURRO, edited by David Brower. With much to interest the "old hand," this book for the beginner will give "hows" and "how nots" of mountain travel. An illustrated Sierra Club publication..... **$2.50**

U-SHAPED TUBULAR SUPPORT BAR. Aluminum tubular bar for use with our Model 72, 87 packbags. Used to keep packbag open. Attachments included. Specify reg. or large. Wt. 2 oz.
R105 ....no. photo **$1.75**

no photo
ALUMINUM EYE BOLTS. 10-32 thread..... **10¢**
no photo
HEAVY DUTY STUFF BAGS. Of Urethane nylon duck, a coated material. Two sizes: 8″ x 17″; 9″ x 18″. Colors: Green, Red. **R121**.... **$3.00**

TRAILWISE PACK BAG MODEL 72. Single spacious sack, roomy enough to hold all your gear, including sleeping bag, clothing, food and other necessities for an extended wilderness outing. The four side pockets are 2¼″ x 6″ x 9″ and the outside center pocket 3 x 7½ x 10″. A patch type map pocket that measures 7½″ x 10″ is located on outside of flap. All pockets have nylon zipper closures. The sack is made of heavy-duty Urethane coated nylon; a durable and waterproof fabric. Colors available are Red or Sage Green. Easy access to the sack is effected by an aluminum tube frame that holds sack open at top. Two sizes:

Pack Bag 72L. (Fits Large Frames.) Bag measures 10″ deep x 14″ wide x 25″ high. Weight 1 lb 7 oz. Pack Bag alone..... **$21.50**

Pack Bag 72R. (Fits Regular or Small Frames.) Measures 8″ deep x 13″ wide x 24″ high. Weight 1 lb. 5 oz. Pack Bag alone..... **$21.50**

TRAILWISE PACK BAG MODEL 87. Designed to carry sleeping bag below main sack. Sack itself has two main compartments. The upper compartment is accessible from the top whereas the lower compartment is accessible through the 12″ wide zipper opening. Two side pockets; each measures 2¼″ x 6″ x 8″. All zippers are nylon. A frame made of aluminum tubing holds main sack open for easy loading. The sleeping bag stuff bag is held in place by a single loop of very strong nylon shock cord. Main sack and stuff sack are made of heavy-duty Urethane coated nylon—tough and waterproof. Colors: Sage Green, or Red. Two sizes:

Pack Bag 87L. (Fits Large Frames.) Bag measures 9″ deep x 14″ wide x 19″ high. Stuff bag measures 9″ x 18″. Wt. 1 lb. 6 oz.
Pack Bag alone..... **$18.50**

Pack Bag 87R. (Fits Regular or Small Frame.) 8″ deep x 13″ wide x 16″ high. Stuff bag measures 8″ x 17″. Wt. 1 lb. 4 oz.
Pack Bag alone..... **$18.50**

left photo

GERRY KIDDIE PACK. A deluxe carrier. Frame is tubular aluminum and carrying sack is of Royal Blue Duck. Seat height is adjustable with storage area under the adjustable inner seat. Shoulder straps are nylon with foam padding. 3″ wide nylon backband. Backband transmits large part of load to hips and keeps carrier positioned to allow adequate ventilation. Wt. 20 oz. **R811**..... **$15.00**

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KLEPPER MASTER FOUR-SEATER. Three top action crafts in this one versatile foldaway. Excellent performance as a sail sloop, motor boat or rowboat. Rugged hull is of 5-layer vulcanized natural rubber and longhemp. Deck is of laminated Mountain Ash, Finnish Birch and African Mahogany. Built on the I-beam girder and arch principle for strength and stability. 3 built-in airsponsons for safety and seaworthiness. Boat is unsinkable. Strong transom permits choice of motor sizes to 18 hp. Packs into three handy packbags. Boat is 11′ 10″ long, with a 4′ beam. Needs little or no care; no hauling or trailering; no docking fees; no storage problem. Equipment includes two adjustable seats; wavebreaker of Astralon; metal flagstaff and flag; set of 3 packbags; one auxiliary paddle; and service kit. Silver grey hull and marine blue deck. Weight of boat is 108 lbs. **K002**.....**$497.00**

SAILING EQUIPMENT. Trouble-free dacron sails with 77 sq. ft. of sailing area. Height of 2-section mast is 15′ 11″. Sailing equipment includes boom, battens, leeboards with crossbar, rudder assembly with tiller, lines and attachments, and 8′ 5″ packbag. Weights 43 lbs.
Master complete with dacron sailing equipment. **K002/D $795.00**
Master complete with cotton sailing equipment. 68 sq. ft. of sailing area. **K002/C**.....**$695.00**

KLEPPER TRAMP. Fast, stable, downriver sport boat. Length is 14′. Equipped with plastic contour seat, foam rubber thigh braces, footrest, built in flotation. Cherry red or light blue. Paddles extra. Wt. 49 lbs. **K003**. . .no photo **$244.00**

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We of the Ski Hut staff find that our interests coincide with our customers in the matter of preserving the fast-diminishing wilderness that remains to us. We strongly urge you to support Conservation in its many and varied forms. Much alike in spirit are those who struggle to save a single roadside tree in the city, and those who fight to preserve large tracts of virgin wilderness for the enjoyment of this and future generations. Listed below are a number of organizations that are attempting to preserve what is best in the American landscape. We'd like you to stand up and be counted this year among those who are willing to try to save what is left.

The Sierra Club, 1050 Mills Tower, San Francisco 4, California
Wilderness Society, 2144 P treet, N.W., Washington 7, D.C.
National Audubon Society, 1130 Fifth Avenue, New York 28, N.Y.
Defenders of Wildlife, 809 Dupont Cir. Bldg., 1346 Connecticut Ave., N.W., Washington, D.C.
Save-the-Redwoods League, 114 Sansome St., San Francisco, Calif.
Save San Francisco Bay Association, Box 925, Berkeley, Calif.
California Roadside Council, 2636 Ocean Ave., San Francisco, Calif.
North Cascades Conservation Council, 1811 Queen Anne Ave., Seattle, Wash.
Izaak Walton League of America, 1326 Waukegan Rd., Glenview, Ill. 60025
National Parks Association, 1300 New Hampshire Ave., Washington, D.C. 20036
The Wildlife Society, Suite S-176, 3900 Wisconsin Ave. N.W., Washington, D.C. 20016

THE SKI HUT wishes you the best in outdoor experience this summer. We hope you have enjoyed our catalog, and that some of the equipment we make and provide will facilitate your wilderness travels, climbing and boating during 1967 and in the years to come.

The Ski Hut Staff	Kenneth (Hap) Klopp	Bob Heuga	Linnea Fitschen
	Alfred Smith	Dottie Wilson	Mac Magary
George Rudolf	Justus Bauschinger	Judie Sinclaire	Steve Roper
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Sunday **12 - 5**

Winter September - May
Monday, Tuesday, Wednesday, Friday, Saturday **10 - 5:45**
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1967 PALISADES — SIERRA NEVADA. Larry William's Mountaineering Guide Service offers its ninth year of guiding and training. In addition to a variety of programs, the popular one-week training camps will be held June 25, July 9, July 30, August 20, and September 3 at Palisade Glacier. The cost is $95.00 for the session and includes meals, instruction, climbs, and use of equipment. Advanced training and bivouac traverses of the 14,000 foot peaks are also available. A special one-week training camp at Mt. Shasta in northern California, starting August 20, will be exclusively devoted to ice and snow training. Guide-instructors are Larry Williams, Bob Swift, Don Jensen, Frank Sarnquist, and Allen Steck. Write Trailwise, Berkeley; or Mountaineering Guide Service, Box 658, Big Pine, Calif. 93513 for more information.

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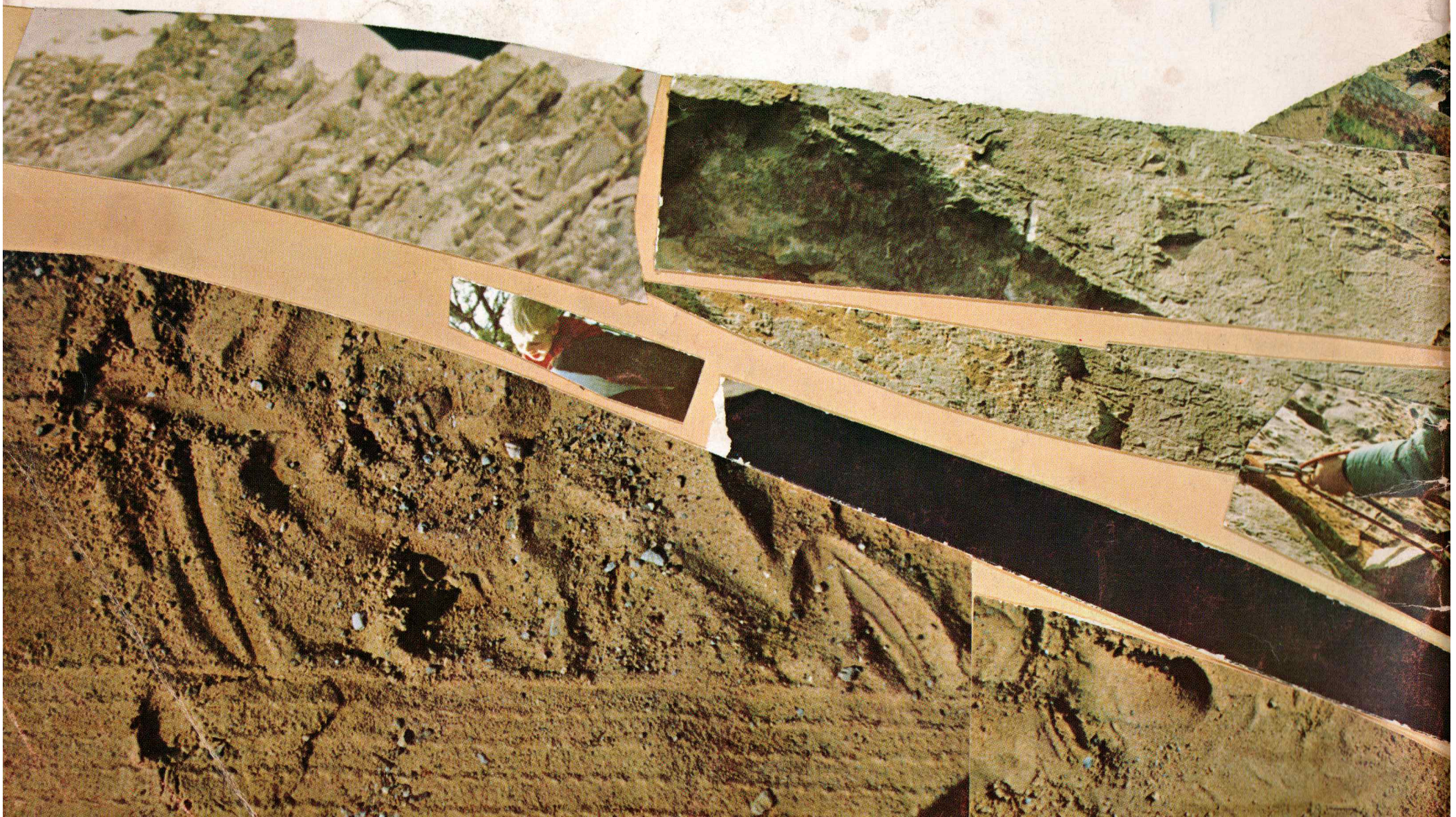
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